| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TypeConstraintException.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/xml/bind/SchemaOutputResolver.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/UnmarshalException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/TypeConstraintException.html)    [**NO FRAMES**](http://docs.google.com/TypeConstraintException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#lnxbz9) |

## **javax.xml.bind**

Class TypeConstraintException

[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.lang.RuntimeException](http://docs.google.com/java/lang/RuntimeException.html)  
 **javax.xml.bind.TypeConstraintException**

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

public class **TypeConstraintException**extends [RuntimeException](http://docs.google.com/java/lang/RuntimeException.html)

This exception indicates that a violation of a dynamically checked type constraint was detected.

This exception can be thrown by the generated setter methods of the schema derived Java content classes. However, since fail-fast validation is an optional feature for JAXB Providers to support, not all setter methods will throw this exception when a type constraint is violated.

If this exception is throw while invoking a fail-fast setter, the value of the property is guaranteed to remain unchanged, as if the setter were never called.

**Since:** JAXB1.0 **See Also:**[ValidationEvent](http://docs.google.com/javax/xml/bind/ValidationEvent.html), [Serialized Form](http://docs.google.com/serialized-form.html#javax.xml.bind.TypeConstraintException)

| **Constructor Summary** | |
| --- | --- |
| [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#TypeConstraintException(java.lang.String))([String](http://docs.google.com/java/lang/String.html) message)            Construct a TypeConstraintException with the specified detail message. |
| [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#TypeConstraintException(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) message, [String](http://docs.google.com/java/lang/String.html) errorCode)            Construct a TypeConstraintException with the specified detail message and vendor specific errorCode. |
| [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#TypeConstraintException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [String](http://docs.google.com/java/lang/String.html) errorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a TypeConstraintException with the specified detail message, vendor specific errorCode, and linkedException. |
| [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#TypeConstraintException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a TypeConstraintException with the specified detail message and linkedException. |
| [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#TypeConstraintException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a TypeConstraintException with a linkedException. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getErrorCode**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#getErrorCode())()            Get the vendor specific error code |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | [**getLinkedException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#getLinkedException())()            Get the linked exception |
| void | [**printStackTrace**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#printStackTrace())()            Prints this TypeConstraintException and its stack trace (including the stack trace of the linkedException if it is non-null) to System.err. |
| void | [**printStackTrace**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#printStackTrace(java.io.PrintStream))([PrintStream](http://docs.google.com/java/io/PrintStream.html) s)            Prints this TypeConstraintException and its stack trace (including the stack trace of the linkedException if it is non-null) to the PrintStream. |
| void | [**setLinkedException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#setLinkedException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Add a linked Exception. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#toString())()            Returns a short description of this TypeConstraintException. |

| **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(java.io.PrintWriter)), [setStackTrace](http://docs.google.com/java/lang/Throwable.html#setStackTrace(java.lang.StackTraceElement%5B%5D)) |

| **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** |
| --- |

### TypeConstraintException

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

Construct a TypeConstraintException with the specified detail message. The errorCode and linkedException will default to null.

**Parameters:**message - a description of the exception

### TypeConstraintException

public **TypeConstraintException**([String](http://docs.google.com/java/lang/String.html) message,  
 [String](http://docs.google.com/java/lang/String.html) errorCode)

Construct a TypeConstraintException with the specified detail message and vendor specific errorCode. The linkedException will default to null.

**Parameters:**message - a description of the exceptionerrorCode - a string specifying the vendor specific error code

### TypeConstraintException

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

Construct a TypeConstraintException with a linkedException. The detail message and vendor specific errorCode will default to null.

**Parameters:**exception - the linked exception

### TypeConstraintException

public **TypeConstraintException**([String](http://docs.google.com/java/lang/String.html) message,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)

Construct a TypeConstraintException with the specified detail message and linkedException. The errorCode will default to null.

**Parameters:**message - a description of the exceptionexception - the linked exception

### TypeConstraintException

public **TypeConstraintException**([String](http://docs.google.com/java/lang/String.html) message,  
 [String](http://docs.google.com/java/lang/String.html) errorCode,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)

Construct a TypeConstraintException with the specified detail message, vendor specific errorCode, and linkedException.

**Parameters:**message - a description of the exceptionerrorCode - a string specifying the vendor specific error codeexception - the linked exception

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

### getErrorCode

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

Get the vendor specific error code

**Returns:**a string specifying the vendor specific error code

### getLinkedException

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

Get the linked exception

**Returns:**the linked Exception, null if none exists

### setLinkedException

public void **setLinkedException**([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)

Add a linked Exception.

**Parameters:**exception - the linked Exception (A null value is permitted and indicates that the linked exception does not exist or is unknown).

### toString

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

Returns a short description of this TypeConstraintException.

**Overrides:**[toString](http://docs.google.com/java/lang/Throwable.html#toString()) in class [Throwable](http://docs.google.com/java/lang/Throwable.html) **Returns:**a string representation of this throwable.

### printStackTrace

public void **printStackTrace**([PrintStream](http://docs.google.com/java/io/PrintStream.html) s)

Prints this TypeConstraintException and its stack trace (including the stack trace of the linkedException if it is non-null) to the PrintStream.

**Overrides:**[printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintStream)) in class [Throwable](http://docs.google.com/java/lang/Throwable.html) **Parameters:**s - PrintStream to use for output

### printStackTrace

public void **printStackTrace**()

Prints this TypeConstraintException and its stack trace (including the stack trace of the linkedException if it is non-null) to System.err.

**Overrides:**[printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace()) in class [Throwable](http://docs.google.com/java/lang/Throwable.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TypeConstraintException.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/xml/bind/SchemaOutputResolver.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/UnmarshalException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/TypeConstraintException.html)    [**NO FRAMES**](http://docs.google.com/TypeConstraintException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#lnxbz9) |

[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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