| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/UndeclaredThrowableException.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/lang/reflect/TypeVariable.html)   [**NEXT CLASS**](http://docs.google.com/java/lang/reflect/WildcardType.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/reflect/UndeclaredThrowableException.html)    [**NO FRAMES**](http://docs.google.com/UndeclaredThrowableException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#17dp8vu) |

## **java.lang.reflect**

Class UndeclaredThrowableException

[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)  
 **java.lang.reflect.UndeclaredThrowableException**

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

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

Thrown by a method invocation on a proxy instance if its invocation handler's [invoke](http://docs.google.com/java/lang/reflect/InvocationHandler.html#invoke(java.lang.Object,%20java.lang.reflect.Method,%20java.lang.Object%5B%5D)) method throws a checked exception (a Throwable that is not assignable to RuntimeException or Error) that is not assignable to any of the exception types declared in the throws clause of the method that was invoked on the proxy instance and dispatched to the invocation handler.

An UndeclaredThrowableException instance contains the undeclared checked exception that was thrown by the invocation handler, and it can be retrieved with the getUndeclaredThrowable() method. UndeclaredThrowableException extends RuntimeException, so it is an unchecked exception that wraps a checked exception.

As of release 1.4, this exception has been retrofitted to conform to the general purpose exception-chaining mechanism. The "undeclared checked exception that was thrown by the invocation handler" that may be provided at construction time and accessed via the [getUndeclaredThrowable()](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html#getUndeclaredThrowable()) method is now known as the *cause*, and may be accessed via the [Throwable.getCause()](http://docs.google.com/java/lang/Throwable.html#getCause()) method, as well as the aforementioned "legacy method."

**Since:** 1.3 **See Also:**[InvocationHandler](http://docs.google.com/java/lang/reflect/InvocationHandler.html), [Serialized Form](http://docs.google.com/serialized-form.html#java.lang.reflect.UndeclaredThrowableException)

| **Constructor Summary** | |
| --- | --- |
| [**UndeclaredThrowableException**](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html#UndeclaredThrowableException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) undeclaredThrowable)            Constructs an UndeclaredThrowableException with the specified Throwable. |
| [**UndeclaredThrowableException**](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html#UndeclaredThrowableException(java.lang.Throwable,%20java.lang.String))([Throwable](http://docs.google.com/java/lang/Throwable.html) undeclaredThrowable, [String](http://docs.google.com/java/lang/String.html) s)            Constructs an UndeclaredThrowableException with the specified Throwable and a detail message. |

| **Method Summary** | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | [**getCause**](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html#getCause())()            Returns the cause of this exception (the Throwable instance wrapped in this UndeclaredThrowableException, which may be null). |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | [**getUndeclaredThrowable**](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html#getUndeclaredThrowable())()            Returns the Throwable instance wrapped in this UndeclaredThrowableException, which may be null. |

| **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()), [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** |
| --- |

### UndeclaredThrowableException

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

Constructs an UndeclaredThrowableException with the specified Throwable.

**Parameters:**undeclaredThrowable - the undeclared checked exception that was thrown

### UndeclaredThrowableException

public **UndeclaredThrowableException**([Throwable](http://docs.google.com/java/lang/Throwable.html) undeclaredThrowable,  
 [String](http://docs.google.com/java/lang/String.html) s)

Constructs an UndeclaredThrowableException with the specified Throwable and a detail message.

**Parameters:**undeclaredThrowable - the undeclared checked exception that was throwns - the detail message

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

### getUndeclaredThrowable

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

Returns the Throwable instance wrapped in this UndeclaredThrowableException, which may be null.

This method predates the general-purpose exception chaining facility. The [Throwable.getCause()](http://docs.google.com/java/lang/Throwable.html#getCause()) method is now the preferred means of obtaining this information.

**Returns:**the undeclared checked exception that was thrown

### getCause

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

Returns the cause of this exception (the Throwable instance wrapped in this UndeclaredThrowableException, which may be null).

**Overrides:**[getCause](http://docs.google.com/java/lang/Throwable.html#getCause()) in class [Throwable](http://docs.google.com/java/lang/Throwable.html) **Returns:**the cause of this exception.**Since:** 1.4

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/UndeclaredThrowableException.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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[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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