| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/PrivilegedActionException.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/security/PrivilegedAction.html)   [**NEXT CLASS**](http://docs.google.com/java/security/PrivilegedExceptionAction.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/PrivilegedActionException.html)    [**NO FRAMES**](http://docs.google.com/PrivilegedActionException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **java.security**

Class PrivilegedActionException

[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.security.PrivilegedActionException**

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

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

This exception is thrown by doPrivileged(PrivilegedExceptionAction) and doPrivileged(PrivilegedExceptionAction, AccessControlContext context) to indicate that the action being performed threw a checked exception. The exception thrown by the action can be obtained by calling the getException method. In effect, an PrivilegedActionException is a "wrapper" for an exception thrown by a privileged action.

As of release 1.4, this exception has been retrofitted to conform to the general purpose exception-chaining mechanism. The "exception thrown by the privileged computation" that is provided at construction time and accessed via the [getException()](http://docs.google.com/java/security/PrivilegedActionException.html#getException()) 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."

**See Also:**[PrivilegedExceptionAction](http://docs.google.com/java/security/PrivilegedExceptionAction.html), [AccessController.doPrivileged(PrivilegedExceptionAction)](http://docs.google.com/java/security/AccessController.html#doPrivileged(java.security.PrivilegedExceptionAction)), [AccessController.doPrivileged(PrivilegedExceptionAction,AccessControlContext)](http://docs.google.com/java/security/AccessController.html#doPrivileged(java.security.PrivilegedExceptionAction,%20java.security.AccessControlContext)), [Serialized Form](http://docs.google.com/serialized-form.html#java.security.PrivilegedActionException)

| **Constructor Summary** | |
| --- | --- |
| [**PrivilegedActionException**](http://docs.google.com/java/security/PrivilegedActionException.html#PrivilegedActionException(java.lang.Exception))([Exception](http://docs.google.com/java/lang/Exception.html) exception)            Constructs a new PrivilegedActionException "wrapping" the specific Exception. |

| **Method Summary** | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | [**getCause**](http://docs.google.com/java/security/PrivilegedActionException.html#getCause())()            Returns the the cause of this exception (the exception thrown by the privileged computation that resulted in this PrivilegedActionException). |
| [Exception](http://docs.google.com/java/lang/Exception.html) | [**getException**](http://docs.google.com/java/security/PrivilegedActionException.html#getException())()            Returns the exception thrown by the privileged computation that resulted in this PrivilegedActionException. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/security/PrivilegedActionException.html#toString())()            Returns a short description of this throwable. |

| **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)) |

| **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** |
| --- |

### PrivilegedActionException

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

Constructs a new PrivilegedActionException "wrapping" the specific Exception.

**Parameters:**exception - The exception thrown

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

### getException

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

Returns the exception thrown by the privileged computation that resulted in this PrivilegedActionException.

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 exception thrown by the privileged computation that resulted in this PrivilegedActionException.**See Also:**[PrivilegedExceptionAction](http://docs.google.com/java/security/PrivilegedExceptionAction.html), [AccessController.doPrivileged(PrivilegedExceptionAction)](http://docs.google.com/java/security/AccessController.html#doPrivileged(java.security.PrivilegedExceptionAction)), [AccessController.doPrivileged(PrivilegedExceptionAction, AccessControlContext)](http://docs.google.com/java/security/AccessController.html#doPrivileged(java.security.PrivilegedExceptionAction,%20java.security.AccessControlContext))

### getCause

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

Returns the the cause of this exception (the exception thrown by the privileged computation that resulted in this PrivilegedActionException).

**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

### toString

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

**Description copied from class:** [**Throwable**](http://docs.google.com/java/lang/Throwable.html#toString()) Returns a short description of this throwable. The result is the concatenation of:

* the [name](http://docs.google.com/java/lang/Class.html#getName()) of the class of this object
* ": " (a colon and a space)
* the result of invoking this object's [Throwable.getLocalizedMessage()](http://docs.google.com/java/lang/Throwable.html#getLocalizedMessage()) method

If getLocalizedMessage returns null, then just the class name is returned.

**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.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/PrivilegedActionException.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/security/PrivilegedAction.html)   [**NEXT CLASS**](http://docs.google.com/java/security/PrivilegedExceptionAction.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/PrivilegedActionException.html)    [**NO FRAMES**](http://docs.google.com/PrivilegedActionException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).