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

## **java.security.cert**

Class CertPathValidatorException

[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.GeneralSecurityException](http://docs.google.com/java/security/GeneralSecurityException.html)  
 **java.security.cert.CertPathValidatorException**

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

public class **CertPathValidatorException**extends [GeneralSecurityException](http://docs.google.com/java/security/GeneralSecurityException.html)

An exception indicating one of a variety of problems encountered when validating a certification path.

A CertPathValidatorException provides support for wrapping exceptions. The [getCause](http://docs.google.com/java/lang/Throwable.html#getCause()) method returns the throwable, if any, that caused this exception to be thrown.

A CertPathValidatorException may also include the certification path that was being validated when the exception was thrown and the index of the certificate in the certification path that caused the exception to be thrown. Use the [getCertPath](http://docs.google.com/java/security/cert/CertPathValidatorException.html#getCertPath()) and [getIndex](http://docs.google.com/java/security/cert/CertPathValidatorException.html#getIndex()) methods to retrieve this information.

**Concurrent Access**

Unless otherwise specified, the methods defined in this class are not thread-safe. Multiple threads that need to access a single object concurrently should synchronize amongst themselves and provide the necessary locking. Multiple threads each manipulating separate objects need not synchronize.

**Since:** 1.4 **See Also:**[CertPathValidator](http://docs.google.com/java/security/cert/CertPathValidator.html), [Serialized Form](http://docs.google.com/serialized-form.html#java.security.cert.CertPathValidatorException)

| **Constructor Summary** | |
| --- | --- |
| [**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#CertPathValidatorException())()            Creates a CertPathValidatorException with no detail message. |
| [**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#CertPathValidatorException(java.lang.String))([String](http://docs.google.com/java/lang/String.html) msg)            Creates a CertPathValidatorException with the given detail message. |
| [**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#CertPathValidatorException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertPathValidatorException with the specified detail message and cause. |
| [**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#CertPathValidatorException(java.lang.String,%20java.lang.Throwable,%20java.security.cert.CertPath,%20int))([String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause, [CertPath](http://docs.google.com/java/security/cert/CertPath.html) certPath, int index)            Creates a CertPathValidatorException with the specified detail message, cause, certification path, and index. |
| [**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#CertPathValidatorException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertPathValidatorException that wraps the specified throwable. |

| **Method Summary** | |
| --- | --- |
| [CertPath](http://docs.google.com/java/security/cert/CertPath.html) | [**getCertPath**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#getCertPath())()            Returns the certification path that was being validated when the exception was thrown. |
| int | [**getIndex**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#getIndex())()            Returns the index of the certificate in the certification path that caused the exception to be thrown. |

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

### CertPathValidatorException

public **CertPathValidatorException**()

Creates a CertPathValidatorException with no detail message.

### CertPathValidatorException

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

Creates a CertPathValidatorException with the given detail message. A detail message is a String that describes this particular exception.

**Parameters:**msg - the detail message

### CertPathValidatorException

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

Creates a CertPathValidatorException that wraps the specified throwable. This allows any exception to be converted into a CertPathValidatorException, while retaining information about the wrapped exception, which may be useful for debugging. The detail message is set to (cause==null ? null : cause.toString() ) (which typically contains the class and detail message of cause).

**Parameters:**cause - the cause (which is saved for later retrieval by the [getCause()](http://docs.google.com/java/lang/Throwable.html#getCause()) method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

### CertPathValidatorException

public **CertPathValidatorException**([String](http://docs.google.com/java/lang/String.html) msg,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Creates a CertPathValidatorException with the specified detail message and cause.

**Parameters:**msg - the detail messagecause - the cause (which is saved for later retrieval by the [getCause()](http://docs.google.com/java/lang/Throwable.html#getCause()) method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

### CertPathValidatorException

public **CertPathValidatorException**([String](http://docs.google.com/java/lang/String.html) msg,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) cause,  
 [CertPath](http://docs.google.com/java/security/cert/CertPath.html) certPath,  
 int index)

Creates a CertPathValidatorException with the specified detail message, cause, certification path, and index.

**Parameters:**msg - the detail message (or null if none)cause - the cause (or null if none)certPath - the certification path that was in the process of being validated when the error was encounteredindex - the index of the certificate in the certification path that caused the error (or -1 if not applicable). Note that the list of certificates in a CertPath is zero based. **Throws:** [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html) - if the index is out of range (index < -1 || (certPath != null && index >= certPath.getCertificates().size()) [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if certPath is null and index is not -1

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

### getCertPath

public [CertPath](http://docs.google.com/java/security/cert/CertPath.html) **getCertPath**()

Returns the certification path that was being validated when the exception was thrown.

**Returns:**the CertPath that was being validated when the exception was thrown (or null if not specified)

### getIndex

public int **getIndex**()

Returns the index of the certificate in the certification path that caused the exception to be thrown. Note that the list of certificates in a CertPath is zero based. If no index has been set, -1 is returned.

**Returns:**the index that has been set, or -1 if none has been set

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CertPathValidatorException.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/cert/CertPathValidator.html)   [**NEXT CLASS**](http://docs.google.com/java/security/cert/CertPathValidatorResult.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/cert/CertPathValidatorException.html)    [**NO FRAMES**](http://docs.google.com/CertPathValidatorException.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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