| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CertPathValidatorSpi.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/CertPathValidatorResult.html)   [**NEXT CLASS**](http://docs.google.com/java/security/cert/CertSelector.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/cert/CertPathValidatorSpi.html)    [**NO FRAMES**](http://docs.google.com/CertPathValidatorSpi.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.security.cert**

Class CertPathValidatorSpi

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.security.cert.CertPathValidatorSpi**

public abstract class **CertPathValidatorSpi**extends [Object](http://docs.google.com/java/lang/Object.html)

The *Service Provider Interface* (**SPI**) for the [CertPathValidator](http://docs.google.com/java/security/cert/CertPathValidator.html) class. All CertPathValidator implementations must include a class (the SPI class) that extends this class (CertPathValidatorSpi) and implements all of its methods. In general, instances of this class should only be accessed through the CertPathValidator class. For details, see the Java Cryptography Architecture.

**Concurrent Access**

Instances of this class need not be protected against concurrent access from multiple threads. Threads that need to access a single CertPathValidatorSpi instance concurrently should synchronize amongst themselves and provide the necessary locking before calling the wrapping CertPathValidator object.

However, implementations of CertPathValidatorSpi may still encounter concurrency issues, since multiple threads each manipulating a different CertPathValidatorSpi instance need not synchronize.

**Since:** 1.4

| **Constructor Summary** | |
| --- | --- |
| [**CertPathValidatorSpi**](http://docs.google.com/java/security/cert/CertPathValidatorSpi.html#CertPathValidatorSpi())()            The default constructor. |

| **Method Summary** | |
| --- | --- |
| abstract  [CertPathValidatorResult](http://docs.google.com/java/security/cert/CertPathValidatorResult.html) | [**engineValidate**](http://docs.google.com/java/security/cert/CertPathValidatorSpi.html#engineValidate(java.security.cert.CertPath,%20java.security.cert.CertPathParameters))([CertPath](http://docs.google.com/java/security/cert/CertPath.html) certPath, [CertPathParameters](http://docs.google.com/java/security/cert/CertPathParameters.html) params)            Validates the specified certification path using the specified algorithm parameter set. |

| **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()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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** |
| --- |

### CertPathValidatorSpi

public **CertPathValidatorSpi**()

The default constructor.

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

### engineValidate

public abstract [CertPathValidatorResult](http://docs.google.com/java/security/cert/CertPathValidatorResult.html) **engineValidate**([CertPath](http://docs.google.com/java/security/cert/CertPath.html) certPath,  
 [CertPathParameters](http://docs.google.com/java/security/cert/CertPathParameters.html) params)  
 throws [CertPathValidatorException](http://docs.google.com/java/security/cert/CertPathValidatorException.html),  
 [InvalidAlgorithmParameterException](http://docs.google.com/java/security/InvalidAlgorithmParameterException.html)

Validates the specified certification path using the specified algorithm parameter set.

The CertPath specified must be of a type that is supported by the validation algorithm, otherwise an InvalidAlgorithmParameterException will be thrown. For example, a CertPathValidator that implements the PKIX algorithm validates CertPath objects of type X.509.

**Parameters:**certPath - the CertPath to be validatedparams - the algorithm parameters **Returns:**the result of the validation algorithm **Throws:** [CertPathValidatorException](http://docs.google.com/java/security/cert/CertPathValidatorException.html) - if the CertPath does not validate [InvalidAlgorithmParameterException](http://docs.google.com/java/security/InvalidAlgorithmParameterException.html) - if the specified parameters or the type of the specified CertPath are inappropriate for this CertPathValidator

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CertPathValidatorSpi.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/CertPathValidatorResult.html)   [**NEXT CLASS**](http://docs.google.com/java/security/cert/CertSelector.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/cert/CertPathValidatorSpi.html)    [**NO FRAMES**](http://docs.google.com/CertPathValidatorSpi.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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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