| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NoSuchMechanismException.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/crypto/NodeSetData.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/crypto/OctetStreamData.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/NoSuchMechanismException.html)    [**NO FRAMES**](http://docs.google.com/NoSuchMechanismException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#26in1rg) |

## **javax.xml.crypto**

Class NoSuchMechanismException

[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.crypto.NoSuchMechanismException**

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

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

This exception is thrown when a particular XML mechanism is requested but is not available in the environment.

A NoSuchMechanismException can contain a cause: another throwable that caused this NoSuchMechanismException to get thrown.

**Since:** 1.6 **See Also:**[XMLSignatureFactory.getInstance](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html#getInstance(java.lang.String)), [KeyInfoFactory.getInstance](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html#getInstance(java.lang.String)), [Serialized Form](http://docs.google.com/serialized-form.html#javax.xml.crypto.NoSuchMechanismException)

| **Constructor Summary** | |
| --- | --- |
| [**NoSuchMechanismException**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#NoSuchMechanismException())()            Constructs a new NoSuchMechanismException with null as its detail message. |
| [**NoSuchMechanismException**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#NoSuchMechanismException(java.lang.String))([String](http://docs.google.com/java/lang/String.html) message)            Constructs a new NoSuchMechanismException with the specified detail message. |
| [**NoSuchMechanismException**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#NoSuchMechanismException(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) cause)            Constructs a new NoSuchMechanismException with the specified detail message and cause. |
| [**NoSuchMechanismException**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#NoSuchMechanismException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new NoSuchMechanismException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| **Method Summary** | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | [**getCause**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#getCause())()            Returns the cause of this NoSuchMechanismException or null if the cause is nonexistent or unknown. |
| void | [**printStackTrace**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#printStackTrace())()            Prints this NoSuchMechanismException, its backtrace and the cause's backtrace to the standard error stream. |
| void | [**printStackTrace**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#printStackTrace(java.io.PrintStream))([PrintStream](http://docs.google.com/java/io/PrintStream.html) s)            Prints this NoSuchMechanismException, its backtrace and the cause's backtrace to the specified print stream. |
| void | [**printStackTrace**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Prints this NoSuchMechanismException, its backtrace and the cause's backtrace to the specified print writer. |

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

### NoSuchMechanismException

public **NoSuchMechanismException**()

Constructs a new NoSuchMechanismException with null as its detail message.

### NoSuchMechanismException

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

Constructs a new NoSuchMechanismException with the specified detail message.

**Parameters:**message - the detail message

### NoSuchMechanismException

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

Constructs a new NoSuchMechanismException with the specified detail message and cause.

Note that the detail message associated with cause is *not* automatically incorporated in this exception's detail message.

**Parameters:**message - the detail messagecause - the cause (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

### NoSuchMechanismException

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

Constructs a new NoSuchMechanismException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause).

**Parameters:**cause - the cause (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

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

### getCause

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

Returns the cause of this NoSuchMechanismException or null if the cause is nonexistent or unknown. (The cause is the throwable that caused this NoSuchMechanismException to get thrown.)

**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 NoSuchMechanismException or null if the cause is nonexistent or unknown.

### printStackTrace

public void **printStackTrace**()

Prints this NoSuchMechanismException, its backtrace and the cause's backtrace to the standard error stream.

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

### printStackTrace

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

Prints this NoSuchMechanismException, its backtrace and the cause's backtrace to the specified print stream.

**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**([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)

Prints this NoSuchMechanismException, its backtrace and the cause's backtrace to the specified print writer.

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

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