| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/xml/bind/util/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/xml/crypto/dom/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

## Package javax.xml.crypto

Common classes for XML cryptography.

**See:**

[**Description**](#3znysh7)

| **Interface Summary** | |
| --- | --- |
| [**AlgorithmMethod**](http://docs.google.com/javax/xml/crypto/AlgorithmMethod.html) | An abstract representation of an algorithm defined in the XML Security specifications. |
| [**Data**](http://docs.google.com/javax/xml/crypto/Data.html) | An abstract representation of the result of dereferencing a [URIReference](http://docs.google.com/javax/xml/crypto/URIReference.html) or the input/output of subsequent [Transform](http://docs.google.com/javax/xml/crypto/dsig/Transform.html)s. |
| [**KeySelectorResult**](http://docs.google.com/javax/xml/crypto/KeySelectorResult.html) | The result returned by the [KeySelector.select](http://docs.google.com/javax/xml/crypto/KeySelector.html#select(javax.xml.crypto.dsig.keyinfo.KeyInfo,%20javax.xml.crypto.KeySelector.Purpose,%20javax.xml.crypto.AlgorithmMethod,%20javax.xml.crypto.XMLCryptoContext)) method. |
| [**NodeSetData**](http://docs.google.com/javax/xml/crypto/NodeSetData.html) | An abstract representation of a Data type containing a node-set. |
| [**URIDereferencer**](http://docs.google.com/javax/xml/crypto/URIDereferencer.html) | A dereferencer of [URIReference](http://docs.google.com/javax/xml/crypto/URIReference.html)s. |
| [**URIReference**](http://docs.google.com/javax/xml/crypto/URIReference.html) | Identifies a data object via a URI-Reference, as specified by [RFC 2396](http://www.ietf.org/rfc/rfc2396.txt). |
| [**XMLCryptoContext**](http://docs.google.com/javax/xml/crypto/XMLCryptoContext.html) | Contains common context information for XML cryptographic operations. |
| [**XMLStructure**](http://docs.google.com/javax/xml/crypto/XMLStructure.html) | A representation of an XML structure from any namespace. |

| **Class Summary** | |
| --- | --- |
| [**KeySelector**](http://docs.google.com/javax/xml/crypto/KeySelector.html) | A selector that finds and returns a key using the data contained in a [KeyInfo](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfo.html) object. |
| [**KeySelector.Purpose**](http://docs.google.com/javax/xml/crypto/KeySelector.Purpose.html) | The purpose of the key that is to be selected. |
| [**OctetStreamData**](http://docs.google.com/javax/xml/crypto/OctetStreamData.html) | A representation of a Data type containing an octet stream. |

| **Exception Summary** | |
| --- | --- |
| [**KeySelectorException**](http://docs.google.com/javax/xml/crypto/KeySelectorException.html) | Indicates an exceptional condition thrown by a [KeySelector](http://docs.google.com/javax/xml/crypto/KeySelector.html). |
| [**MarshalException**](http://docs.google.com/javax/xml/crypto/MarshalException.html) | Indicates an exceptional condition that occured during the XML marshalling or unmarshalling process. |
| [**NoSuchMechanismException**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html) | This exception is thrown when a particular XML mechanism is requested but is not available in the environment. |
| [**URIReferenceException**](http://docs.google.com/javax/xml/crypto/URIReferenceException.html) | Indicates an exceptional condition thrown while dereferencing a [URIReference](http://docs.google.com/javax/xml/crypto/URIReference.html). |

## Package javax.xml.crypto Description

Common classes for XML cryptography. This package includes common classes that are used to perform XML cryptographic operations, such as generating an XML signature or encrypting XML data.

## Package Specification

* [XML-Signature Syntax and Processing: W3C Recommendation](http://www.w3.org/TR/xmldsig-core/)
* [RFC 3275: XML-Signature Syntax and Processing](http://www.ietf.org/rfc/rfc3275.txt)

**Since:** 1.6

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