| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SignedInfo.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/dsig/SignatureProperty.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/crypto/dsig/Transform.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/dsig/SignedInfo.html)    [**NO FRAMES**](http://docs.google.com/SignedInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

## **javax.xml.crypto.dsig**

Interface SignedInfo

**All Superinterfaces:** [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html)

public interface **SignedInfo**extends [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html)

An representation of the XML SignedInfo element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). The XML Schema Definition is defined as:

<element name="SignedInfo" type="ds:SignedInfoType"/>   
 <complexType name="SignedInfoType">  
 <sequence>   
 <element ref="ds:CanonicalizationMethod"/>   
 <element ref="ds:SignatureMethod"/>   
 <element ref="ds:Reference" maxOccurs="unbounded"/>   
 </sequence>   
 <attribute name="Id" type="ID" use="optional"/>   
 </complexType>

A SignedInfo instance may be created by invoking one of the [newSignedInfo](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html#newSignedInfo(javax.xml.crypto.dsig.CanonicalizationMethod,%20javax.xml.crypto.dsig.SignatureMethod,%20java.util.List)) methods of the [XMLSignatureFactory](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html) class.

**Since:** 1.6 **See Also:**[XMLSignatureFactory.newSignedInfo(CanonicalizationMethod, SignatureMethod, List)](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html#newSignedInfo(javax.xml.crypto.dsig.CanonicalizationMethod,%20javax.xml.crypto.dsig.SignatureMethod,%20java.util.List)), [XMLSignatureFactory.newSignedInfo(CanonicalizationMethod, SignatureMethod, List, String)](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html#newSignedInfo(javax.xml.crypto.dsig.CanonicalizationMethod,%20javax.xml.crypto.dsig.SignatureMethod,%20java.util.List,%20java.lang.String))

| **Method Summary** | |
| --- | --- |
| [CanonicalizationMethod](http://docs.google.com/javax/xml/crypto/dsig/CanonicalizationMethod.html) | [**getCanonicalizationMethod**](http://docs.google.com/javax/xml/crypto/dsig/SignedInfo.html#getCanonicalizationMethod())()            Returns the canonicalization method of this SignedInfo. |
| [InputStream](http://docs.google.com/java/io/InputStream.html) | [**getCanonicalizedData**](http://docs.google.com/javax/xml/crypto/dsig/SignedInfo.html#getCanonicalizedData())()            Returns the canonicalized signed info bytes after a signing or validation operation. |
| [String](http://docs.google.com/java/lang/String.html) | [**getId**](http://docs.google.com/javax/xml/crypto/dsig/SignedInfo.html#getId())()            Returns the optional Id attribute of this SignedInfo. |
| [List](http://docs.google.com/java/util/List.html) | [**getReferences**](http://docs.google.com/javax/xml/crypto/dsig/SignedInfo.html#getReferences())()            Returns an [unmodifiable list](http://docs.google.com/java/util/Collections.html#unmodifiableList(java.util.List)) of one or more [Reference](http://docs.google.com/javax/xml/crypto/dsig/Reference.html)s. |
| [SignatureMethod](http://docs.google.com/javax/xml/crypto/dsig/SignatureMethod.html) | [**getSignatureMethod**](http://docs.google.com/javax/xml/crypto/dsig/SignedInfo.html#getSignatureMethod())()            Returns the signature method of this SignedInfo. |

| **Methods inherited from interface javax.xml.crypto.**[**XMLStructure**](http://docs.google.com/javax/xml/crypto/XMLStructure.html) |
| --- |
| [isFeatureSupported](http://docs.google.com/javax/xml/crypto/XMLStructure.html#isFeatureSupported(java.lang.String)) |

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

### getCanonicalizationMethod

[CanonicalizationMethod](http://docs.google.com/javax/xml/crypto/dsig/CanonicalizationMethod.html) **getCanonicalizationMethod**()

Returns the canonicalization method of this SignedInfo.

**Returns:**the canonicalization method

### getSignatureMethod

[SignatureMethod](http://docs.google.com/javax/xml/crypto/dsig/SignatureMethod.html) **getSignatureMethod**()

Returns the signature method of this SignedInfo.

**Returns:**the signature method

### getReferences

[List](http://docs.google.com/java/util/List.html) **getReferences**()

Returns an [unmodifiable list](http://docs.google.com/java/util/Collections.html#unmodifiableList(java.util.List)) of one or more [Reference](http://docs.google.com/javax/xml/crypto/dsig/Reference.html)s.

**Returns:**an unmodifiable list of one or more [Reference](http://docs.google.com/javax/xml/crypto/dsig/Reference.html)s

### getId

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

Returns the optional Id attribute of this SignedInfo.

**Returns:**the id (may be null if not specified)

### getCanonicalizedData

[InputStream](http://docs.google.com/java/io/InputStream.html) **getCanonicalizedData**()

Returns the canonicalized signed info bytes after a signing or validation operation. This method is useful for debugging.

**Returns:**an InputStream containing the canonicalized bytes, or null if this SignedInfo has not been signed or validated yet

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SignedInfo.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/dsig/SignatureProperty.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/crypto/dsig/Transform.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/dsig/SignedInfo.html)    [**NO FRAMES**](http://docs.google.com/SignedInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

[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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