| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SignatureProperties.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/SignatureMethod.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/crypto/dsig/SignatureProperty.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/dsig/SignatureProperties.html)    [**NO FRAMES**](http://docs.google.com/SignatureProperties.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#2et92p0) | DETAIL: [FIELD](#3dy6vkm) | CONSTR | [METHOD](#4d34og8) |

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

Interface SignatureProperties

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

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

A representation of the XML SignatureProperties 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="SignatureProperties" type="ds:SignaturePropertiesType"/>   
 <complexType name="SignaturePropertiesType">  
 <sequence>  
 <element ref="ds:SignatureProperty" maxOccurs="unbounded"/>   
 </sequence>  
 <attribute name="Id" type="ID" use="optional"/>   
 </complexType>

A SignatureProperties instance may be created by invoking the [newSignatureProperties](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html#newSignatureProperties(java.util.List,%20java.lang.String)) method of the [XMLSignatureFactory](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html) class; for example:

XMLSignatureFactory factory = XMLSignatureFactory.getInstance("DOM");  
 SignatureProperties properties =   
 factory.newSignatureProperties(props, "signature-properties-1");

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

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**TYPE**](http://docs.google.com/javax/xml/crypto/dsig/SignatureProperties.html#TYPE)            URI that identifies the SignatureProperties element (this can be specified as the value of the type parameter of the [Reference](http://docs.google.com/javax/xml/crypto/dsig/Reference.html) class to identify the referent's type). |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getId**](http://docs.google.com/javax/xml/crypto/dsig/SignatureProperties.html#getId())()            Returns the Id of this SignatureProperties. |
| [List](http://docs.google.com/java/util/List.html) | [**getProperties**](http://docs.google.com/javax/xml/crypto/dsig/SignatureProperties.html#getProperties())()            Returns an [unmodifiable list](http://docs.google.com/java/util/Collections.html#unmodifiableList(java.util.List)) of one or more [SignatureProperty](http://docs.google.com/javax/xml/crypto/dsig/SignatureProperty.html)s that are contained in this SignatureProperties. |

| **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)) |

| **Field Detail** |
| --- |

### TYPE

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

URI that identifies the SignatureProperties element (this can be specified as the value of the type parameter of the [Reference](http://docs.google.com/javax/xml/crypto/dsig/Reference.html) class to identify the referent's type).

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.crypto.dsig.SignatureProperties.TYPE)

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

### getId

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

Returns the Id of this SignatureProperties.

**Returns:**the Id of this SignatureProperties (or null if not specified)

### getProperties

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

Returns an [unmodifiable list](http://docs.google.com/java/util/Collections.html#unmodifiableList(java.util.List)) of one or more [SignatureProperty](http://docs.google.com/javax/xml/crypto/dsig/SignatureProperty.html)s that are contained in this SignatureProperties.

**Returns:**an unmodifiable list of one or more SignaturePropertys

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SignatureProperties.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/SignatureMethod.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/crypto/dsig/SignatureProperty.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/dsig/SignatureProperties.html)    [**NO FRAMES**](http://docs.google.com/SignatureProperties.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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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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