| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XMLSignature.SignatureValue.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/XMLSignature.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/dsig/XMLSignature.SignatureValue.html)    [**NO FRAMES**](http://docs.google.com/XMLSignature.SignatureValue.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 XMLSignature.SignatureValue

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

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

A representation of the XML SignatureValue 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="SignatureValue" type="ds:SignatureValueType"/>  
 <complexType name="SignatureValueType">  
 <simpleContent>  
 <extension base="base64Binary">  
 <attribute name="Id" type="ID" use="optional"/>  
 </extension>  
 </simpleContent>  
 </complexType>

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getId**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignature.SignatureValue.html#getId())()            Returns the optional Id attribute of this SignatureValue, which permits this element to be referenced from elsewhere. |
| byte[] | [**getValue**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignature.SignatureValue.html#getValue())()            Returns the signature value of this SignatureValue. |
| boolean | [**validate**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignature.SignatureValue.html#validate(javax.xml.crypto.dsig.XMLValidateContext))([XMLValidateContext](http://docs.google.com/javax/xml/crypto/dsig/XMLValidateContext.html) validateContext)            Validates the signature value. |

| **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** |
| --- |

### getId

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

Returns the optional Id attribute of this SignatureValue, which permits this element to be referenced from elsewhere.

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

### getValue

byte[] **getValue**()

Returns the signature value of this SignatureValue.

**Returns:**the signature value (may be null if the XMLSignature has not been signed yet). Each invocation of this method returns a new clone of the array to prevent subsequent modification.

### validate

boolean **validate**([XMLValidateContext](http://docs.google.com/javax/xml/crypto/dsig/XMLValidateContext.html) validateContext)  
 throws [XMLSignatureException](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureException.html)

Validates the signature value. This method performs a cryptographic validation of the signature calculated over the SignedInfo of the XMLSignature.

This method only validates the signature the first time it is invoked. On subsequent invocations, it returns a cached result.

**Parameters:**validateContext - the validating context **Returns:**true if the signature was validated successfully; false otherwise **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if validateContext is null [XMLSignatureException](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureException.html) - if an unexpected exception occurs while validating the signature

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XMLSignature.SignatureValue.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/XMLSignature.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/dsig/XMLSignature.SignatureValue.html)    [**NO FRAMES**](http://docs.google.com/XMLSignature.SignatureValue.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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