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

**Uses of Interface**

**javax.xml.crypto.XMLStructure**

| Packages that use [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) | |
| --- | --- |
| [**javax.xml.crypto.dom**](#3znysh7) | DOM-specific classes for the [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) package. |
| [**javax.xml.crypto.dsig**](#2et92p0) | Classes for generating and validating XML digital signatures. |
| [**javax.xml.crypto.dsig.keyinfo**](#tyjcwt) | Classes for parsing and processing [KeyInfo](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfo.html) elements and structures. |
| [**javax.xml.crypto.dsig.spec**](#3dy6vkm) | Parameter classes for XML digital signatures. |

| Uses of [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) in [javax.xml.crypto.dom](http://docs.google.com/javax/xml/crypto/dom/package-summary.html) | |
| --- | --- |

| Classes in [javax.xml.crypto.dom](http://docs.google.com/javax/xml/crypto/dom/package-summary.html) that implement [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) | |
| --- | --- |
| class | [**DOMStructure**](http://docs.google.com/javax/xml/crypto/dom/DOMStructure.html)            A DOM-specific [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html). |

| Uses of [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) | |
| --- | --- |

| Subinterfaces of [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) | |
| --- | --- |
| interface | [**CanonicalizationMethod**](http://docs.google.com/javax/xml/crypto/dsig/CanonicalizationMethod.html)            A representation of the XML CanonicalizationMethod element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**DigestMethod**](http://docs.google.com/javax/xml/crypto/dsig/DigestMethod.html)            A representation of the XML DigestMethod element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**Manifest**](http://docs.google.com/javax/xml/crypto/dsig/Manifest.html)            A representation of the XML Manifest element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**Reference**](http://docs.google.com/javax/xml/crypto/dsig/Reference.html)            A representation of the Reference element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**SignatureMethod**](http://docs.google.com/javax/xml/crypto/dsig/SignatureMethod.html)            A representation of the XML SignatureMethod element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**SignatureProperties**](http://docs.google.com/javax/xml/crypto/dsig/SignatureProperties.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/). |
| interface | [**SignatureProperty**](http://docs.google.com/javax/xml/crypto/dsig/SignatureProperty.html)            A representation of the XML SignatureProperty element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**SignedInfo**](http://docs.google.com/javax/xml/crypto/dsig/SignedInfo.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/). |
| interface | [**Transform**](http://docs.google.com/javax/xml/crypto/dsig/Transform.html)            A representation of the XML Transform element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**XMLObject**](http://docs.google.com/javax/xml/crypto/dsig/XMLObject.html)            A representation of the XML Object element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**XMLSignature**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignature.html)            A representation of the XML Signature element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| static interface | [**XMLSignature.SignatureValue**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignature.SignatureValue.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/). |

| Classes in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) that implement [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) | |
| --- | --- |
| class | [**TransformService**](http://docs.google.com/javax/xml/crypto/dsig/TransformService.html)            A Service Provider Interface for transform and canonicalization algorithms. |

| Methods in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) with parameters of type [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) | |
| --- | --- |
| abstract  void | **TransformService.**[**init**](http://docs.google.com/javax/xml/crypto/dsig/TransformService.html#init(javax.xml.crypto.XMLStructure,%20javax.xml.crypto.XMLCryptoContext))([XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) parent, [XMLCryptoContext](http://docs.google.com/javax/xml/crypto/XMLCryptoContext.html) context)            Initializes this TransformService with the specified parameters and document context. |
| abstract  void | **TransformService.**[**marshalParams**](http://docs.google.com/javax/xml/crypto/dsig/TransformService.html#marshalParams(javax.xml.crypto.XMLStructure,%20javax.xml.crypto.XMLCryptoContext))([XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) parent, [XMLCryptoContext](http://docs.google.com/javax/xml/crypto/XMLCryptoContext.html) context)            Marshals the algorithm-specific parameters. |
| abstract  [CanonicalizationMethod](http://docs.google.com/javax/xml/crypto/dsig/CanonicalizationMethod.html) | **XMLSignatureFactory.**[**newCanonicalizationMethod**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html#newCanonicalizationMethod(java.lang.String,%20javax.xml.crypto.XMLStructure))([String](http://docs.google.com/java/lang/String.html) algorithm, [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) params)            Creates a CanonicalizationMethod for the specified algorithm URI and parameters. |
| abstract  [Transform](http://docs.google.com/javax/xml/crypto/dsig/Transform.html) | **XMLSignatureFactory.**[**newTransform**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html#newTransform(java.lang.String,%20javax.xml.crypto.XMLStructure))([String](http://docs.google.com/java/lang/String.html) algorithm, [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) params)            Creates a Transform for the specified algorithm URI and parameters. |
| abstract  [XMLSignature](http://docs.google.com/javax/xml/crypto/dsig/XMLSignature.html) | **XMLSignatureFactory.**[**unmarshalXMLSignature**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureFactory.html#unmarshalXMLSignature(javax.xml.crypto.XMLStructure))([XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) xmlStructure)            Unmarshals a new XMLSignature instance from a mechanism-specific XMLStructure instance. |

| Uses of [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) in [javax.xml.crypto.dsig.keyinfo](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/package-summary.html) | |
| --- | --- |

| Subinterfaces of [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) in [javax.xml.crypto.dsig.keyinfo](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/package-summary.html) | |
| --- | --- |
| interface | [**KeyInfo**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfo.html)            A representation of the XML KeyInfo element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**KeyName**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyName.html)            A representation of the XML KeyName element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**KeyValue**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyValue.html)            A representation of the XML KeyValue element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**PGPData**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/PGPData.html)            A representation of the XML PGPData element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**RetrievalMethod**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/RetrievalMethod.html)            A representation of the XML RetrievalMethod element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**X509Data**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/X509Data.html)            A representation of the XML X509Data element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |
| interface | [**X509IssuerSerial**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/X509IssuerSerial.html)            A representation of the XML X509IssuerSerial element as defined in the  [W3C Recommendation for XML-Signature Syntax and Processing](http://www.w3.org/TR/xmldsig-core/). |

| Methods in [javax.xml.crypto.dsig.keyinfo](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/package-summary.html) with parameters of type [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) | |
| --- | --- |
| void | **KeyInfo.**[**marshal**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfo.html#marshal(javax.xml.crypto.XMLStructure,%20javax.xml.crypto.XMLCryptoContext))([XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) parent, [XMLCryptoContext](http://docs.google.com/javax/xml/crypto/XMLCryptoContext.html) context)            Marshals the key info to XML. |
| abstract  [KeyInfo](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfo.html) | **KeyInfoFactory.**[**unmarshalKeyInfo**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html#unmarshalKeyInfo(javax.xml.crypto.XMLStructure))([XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) xmlStructure)            Unmarshals a new KeyInfo instance from a mechanism-specific XMLStructure (ex: [DOMStructure](http://docs.google.com/javax/xml/crypto/dom/DOMStructure.html)) instance. |

| Uses of [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) in [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) that return [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) | |
| --- | --- |
| [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) | **XSLTTransformParameterSpec.**[**getStylesheet**](http://docs.google.com/javax/xml/crypto/dsig/spec/XSLTTransformParameterSpec.html#getStylesheet())()            Returns the stylesheet. |

| Constructors in [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) with parameters of type [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) | |
| --- | --- |
| [**XSLTTransformParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/XSLTTransformParameterSpec.html#XSLTTransformParameterSpec(javax.xml.crypto.XMLStructure))([XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html) stylesheet)            Creates an XSLTTransformParameterSpec with the specified stylesheet. |

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

[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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