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

Interface PGPData

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

public interface **PGPData**extends [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.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/). A PGPData object is used to convey information related to PGP public key pairs and signatures on such keys. The XML Schema Definition is defined as:

<element name="PGPData" type="ds:PGPDataType"/>   
 <complexType name="PGPDataType">   
 <choice>  
 <sequence>  
 <element name="PGPKeyID" type="base64Binary"/>   
 <element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/>   
 <any namespace="##other" processContents="lax" minOccurs="0"  
 maxOccurs="unbounded"/>  
 </sequence>  
 <sequence>  
 <element name="PGPKeyPacket" type="base64Binary"/>   
 <any namespace="##other" processContents="lax" minOccurs="0"  
 maxOccurs="unbounded"/>  
 </sequence>  
 </choice>  
 </complexType>

A PGPData instance may be created by invoking one of the [newPGPData](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html#newPGPData(byte%5B%5D)) methods of the [KeyInfoFactory](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html) class, and passing it byte arrays representing the contents of the PGP public key identifier and/or PGP key material packet, and an optional list of elements from an external namespace.

**Since:** 1.6 **See Also:**[KeyInfoFactory.newPGPData(byte[])](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html#newPGPData(byte%5B%5D)), [KeyInfoFactory.newPGPData(byte[], byte[], List)](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html#newPGPData(byte%5B%5D,%20byte%5B%5D,%20java.util.List)), [KeyInfoFactory.newPGPData(byte[], List)](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html#newPGPData(byte%5B%5D,%20java.util.List))

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**TYPE**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/PGPData.html#TYPE)            URI identifying the PGPData KeyInfo type: http://www.w3.org/2000/09/xmldsig#PGPData. |

| **Method Summary** | |
| --- | --- |
| [List](http://docs.google.com/java/util/List.html) | [**getExternalElements**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/PGPData.html#getExternalElements())()            Returns an [unmodifiable list](http://docs.google.com/java/util/Collections.html#unmodifiableList(java.util.List)) of [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html)s representing elements from an external namespace. |
| byte[] | [**getKeyId**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/PGPData.html#getKeyId())()            Returns the PGP public key identifier of this PGPData as defined in [RFC 2440](http://www.ietf.org/rfc/rfc2440.txt), section 11.2. |
| byte[] | [**getKeyPacket**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/PGPData.html#getKeyPacket())()            Returns the PGP key material packet of this PGPData as defined in [RFC 2440](http://www.ietf.org/rfc/rfc2440.txt), section 5.5. |

| **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 identifying the PGPData KeyInfo type: http://www.w3.org/2000/09/xmldsig#PGPData. This can be specified as the value of the type parameter of the [RetrievalMethod](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/RetrievalMethod.html) class to describe a remote PGPData structure.

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

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

### getKeyId

byte[] **getKeyId**()

Returns the PGP public key identifier of this PGPData as defined in [RFC 2440](http://www.ietf.org/rfc/rfc2440.txt), section 11.2.

**Returns:**the PGP public key identifier (may be null if not specified). Each invocation of this method returns a new clone to protect against subsequent modification.

### getKeyPacket

byte[] **getKeyPacket**()

Returns the PGP key material packet of this PGPData as defined in [RFC 2440](http://www.ietf.org/rfc/rfc2440.txt), section 5.5.

**Returns:**the PGP key material packet (may be null if not specified). Each invocation of this method returns a new clone to protect against subsequent modification.

### getExternalElements

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

Returns an [unmodifiable list](http://docs.google.com/java/util/Collections.html#unmodifiableList(java.util.List)) of [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.html)s representing elements from an external namespace.

**Returns:**an unmodifiable list of XMLStructures (may be empty, but never null)

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

[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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