| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/X509IssuerSerial.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/X509Data.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/dsig/keyinfo/X509IssuerSerial.html)    [**NO FRAMES**](http://docs.google.com/X509IssuerSerial.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.keyinfo**

Interface X509IssuerSerial

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

public interface **X509IssuerSerial**extends [XMLStructure](http://docs.google.com/javax/xml/crypto/XMLStructure.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/). An X509IssuerSerial object contains an X.509 issuer distinguished name (DN) and serial number pair. The XML schema definition is defined as:

<element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/>  
 <complexType name="X509IssuerSerialType">  
 <sequence>  
 <element name="X509IssuerName" type="string"/>   
 <element name="X509SerialNumber" type="integer"/>   
 </sequence>   
 </complexType>

An X509IssuerSerial instance may be created by invoking the [newX509IssuerSerial](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html#newX509IssuerSerial(java.lang.String,%20java.math.BigInteger)) method of the [KeyInfoFactory](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html) class, and passing it a String and BigInteger representing the X.500 DN and serial number. Here is an example of creating an X509IssuerSerial from the issuer DN and serial number of an existing [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html):

KeyInfoFactory factory = KeyInfoFactory.getInstance("DOM");  
 X509IssuerSerial issuer = factory.newX509IssuerSerial  
 (cert.getIssuerX500Principal().getName(), cert.getSerialNumber());

**Since:** 1.6 **See Also:**[X509Data.getContent()](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/X509Data.html#getContent()), [KeyInfoFactory.newX509IssuerSerial(String, BigInteger)](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/KeyInfoFactory.html#newX509IssuerSerial(java.lang.String,%20java.math.BigInteger))

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getIssuerName**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/X509IssuerSerial.html#getIssuerName())()            Returns the X.500 distinguished name of this X509IssuerSerial in [RFC 2253](http://www.ietf.org/rfc/rfc2253.txt) String format. |
| [BigInteger](http://docs.google.com/java/math/BigInteger.html) | [**getSerialNumber**](http://docs.google.com/javax/xml/crypto/dsig/keyinfo/X509IssuerSerial.html#getSerialNumber())()            Returns the serial number of this X509IssuerSerial. |

| **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** |
| --- |

### getIssuerName

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

Returns the X.500 distinguished name of this X509IssuerSerial in [RFC 2253](http://www.ietf.org/rfc/rfc2253.txt) String format.

**Returns:**the X.500 distinguished name in RFC 2253 String format (never null)

### getSerialNumber

[BigInteger](http://docs.google.com/java/math/BigInteger.html) **getSerialNumber**()

Returns the serial number of this X509IssuerSerial.

**Returns:**the serial number (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/X509IssuerSerial.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/X509Data.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/xml/crypto/dsig/keyinfo/X509IssuerSerial.html)    [**NO FRAMES**](http://docs.google.com/X509IssuerSerial.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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