| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/X509CRLEntry.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/java/security/cert/X509CRL.html)   [**NEXT CLASS**](http://docs.google.com/java/security/cert/X509CRLSelector.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/cert/X509CRLEntry.html)    [**NO FRAMES**](http://docs.google.com/X509CRLEntry.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **java.security.cert**

Class X509CRLEntry

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.security.cert.X509CRLEntry**

**All Implemented Interfaces:** [X509Extension](http://docs.google.com/java/security/cert/X509Extension.html)

public abstract class **X509CRLEntry**extends [Object](http://docs.google.com/java/lang/Object.html)implements [X509Extension](http://docs.google.com/java/security/cert/X509Extension.html)

Abstract class for a revoked certificate in a CRL (Certificate Revocation List). The ASN.1 definition for *revokedCertificates* is:

revokedCertificates SEQUENCE OF SEQUENCE {  
 userCertificate CertificateSerialNumber,  
 revocationDate ChoiceOfTime,  
 crlEntryExtensions Extensions OPTIONAL  
 -- if present, must be v2  
 } OPTIONAL

CertificateSerialNumber ::= INTEGER

Extensions ::= SEQUENCE SIZE (1..MAX) OF Extension

Extension ::= SEQUENCE {  
 extnId OBJECT IDENTIFIER,  
 critical BOOLEAN DEFAULT FALSE,  
 extnValue OCTET STRING  
 -- contains a DER encoding of a value  
 -- of the type registered for use with  
 -- the extnId object identifier value  
 }

**See Also:**[X509CRL](http://docs.google.com/java/security/cert/X509CRL.html), [X509Extension](http://docs.google.com/java/security/cert/X509Extension.html)

| **Constructor Summary** | |
| --- | --- |
| [**X509CRLEntry**](http://docs.google.com/java/security/cert/X509CRLEntry.html#X509CRLEntry())() |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/security/cert/X509CRLEntry.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) other)            Compares this CRL entry for equality with the given object. |
| [X500Principal](http://docs.google.com/javax/security/auth/x500/X500Principal.html) | [**getCertificateIssuer**](http://docs.google.com/java/security/cert/X509CRLEntry.html#getCertificateIssuer())()            Get the issuer of the X509Certificate described by this entry. |
| abstract  byte[] | [**getEncoded**](http://docs.google.com/java/security/cert/X509CRLEntry.html#getEncoded())()            Returns the ASN.1 DER-encoded form of this CRL Entry, that is the inner SEQUENCE. |
| abstract  [Date](http://docs.google.com/java/util/Date.html) | [**getRevocationDate**](http://docs.google.com/java/security/cert/X509CRLEntry.html#getRevocationDate())()            Gets the revocation date from this X509CRLEntry, the *revocationDate*. |
| abstract  [BigInteger](http://docs.google.com/java/math/BigInteger.html) | [**getSerialNumber**](http://docs.google.com/java/security/cert/X509CRLEntry.html#getSerialNumber())()            Gets the serial number from this X509CRLEntry, the *userCertificate*. |
| abstract  boolean | [**hasExtensions**](http://docs.google.com/java/security/cert/X509CRLEntry.html#hasExtensions())()            Returns true if this CRL entry has extensions. |
| int | [**hashCode**](http://docs.google.com/java/security/cert/X509CRLEntry.html#hashCode())()            Returns a hashcode value for this CRL entry from its encoded form. |
| abstract  [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/security/cert/X509CRLEntry.html#toString())()            Returns a string representation of this CRL entry. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Methods inherited from interface java.security.cert.**[**X509Extension**](http://docs.google.com/java/security/cert/X509Extension.html) |
| --- |
| [getCriticalExtensionOIDs](http://docs.google.com/java/security/cert/X509Extension.html#getCriticalExtensionOIDs()), [getExtensionValue](http://docs.google.com/java/security/cert/X509Extension.html#getExtensionValue(java.lang.String)), [getNonCriticalExtensionOIDs](http://docs.google.com/java/security/cert/X509Extension.html#getNonCriticalExtensionOIDs()), [hasUnsupportedCriticalExtension](http://docs.google.com/java/security/cert/X509Extension.html#hasUnsupportedCriticalExtension()) |

| **Constructor Detail** |
| --- |

### X509CRLEntry

public **X509CRLEntry**()

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

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) other)

Compares this CRL entry for equality with the given object. If the other object is an instanceof X509CRLEntry, then its encoded form (the inner SEQUENCE) is retrieved and compared with the encoded form of this CRL entry.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**other - the object to test for equality with this CRL entry. **Returns:**true iff the encoded forms of the two CRL entries match, false otherwise.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public int **hashCode**()

Returns a hashcode value for this CRL entry from its encoded form.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the hashcode value.**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### getEncoded

public abstract byte[] **getEncoded**()  
 throws [CRLException](http://docs.google.com/java/security/cert/CRLException.html)

Returns the ASN.1 DER-encoded form of this CRL Entry, that is the inner SEQUENCE.

**Returns:**the encoded form of this certificate **Throws:** [CRLException](http://docs.google.com/java/security/cert/CRLException.html) - if an encoding error occurs.

### getSerialNumber

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

Gets the serial number from this X509CRLEntry, the *userCertificate*.

**Returns:**the serial number.

### getCertificateIssuer

public [X500Principal](http://docs.google.com/javax/security/auth/x500/X500Principal.html) **getCertificateIssuer**()

Get the issuer of the X509Certificate described by this entry. If the certificate issuer is also the CRL issuer, this method returns null.

This method is used with indirect CRLs. The default implementation always returns null. Subclasses that wish to support indirect CRLs should override it.

**Returns:**the issuer of the X509Certificate described by this entry or null if it is issued by the CRL issuer.**Since:** 1.5

### getRevocationDate

public abstract [Date](http://docs.google.com/java/util/Date.html) **getRevocationDate**()

Gets the revocation date from this X509CRLEntry, the *revocationDate*.

**Returns:**the revocation date.

### hasExtensions

public abstract boolean **hasExtensions**()

Returns true if this CRL entry has extensions.

**Returns:**true if this entry has extensions, false otherwise.

### toString

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

Returns a string representation of this CRL entry.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of this CRL entry.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/X509CRLEntry.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*** |
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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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