| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RSAOtherPrimeInfo.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/spec/RSAMultiPrimePrivateCrtKeySpec.html)   [**NEXT CLASS**](http://docs.google.com/java/security/spec/RSAPrivateCrtKeySpec.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/spec/RSAOtherPrimeInfo.html)    [**NO FRAMES**](http://docs.google.com/RSAOtherPrimeInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.security.spec**

Class RSAOtherPrimeInfo

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

public class **RSAOtherPrimeInfo**extends [Object](http://docs.google.com/java/lang/Object.html)

This class represents the triplet (prime, exponent, and coefficient) inside RSA's OtherPrimeInfo structure, as defined in the PKCS#1 v2.1. The ASN.1 syntax of RSA's OtherPrimeInfo is as follows:

OtherPrimeInfo ::= SEQUENCE {  
 prime INTEGER,  
 exponent INTEGER,  
 coefficient INTEGER  
 }

**Since:** 1.4 **See Also:**[RSAPrivateCrtKeySpec](http://docs.google.com/java/security/spec/RSAPrivateCrtKeySpec.html), [RSAMultiPrimePrivateCrtKey](http://docs.google.com/java/security/interfaces/RSAMultiPrimePrivateCrtKey.html)

| **Constructor Summary** | |
| --- | --- |
| [**RSAOtherPrimeInfo**](http://docs.google.com/java/security/spec/RSAOtherPrimeInfo.html#RSAOtherPrimeInfo(java.math.BigInteger,%20java.math.BigInteger,%20java.math.BigInteger))([BigInteger](http://docs.google.com/java/math/BigInteger.html) prime, [BigInteger](http://docs.google.com/java/math/BigInteger.html) primeExponent, [BigInteger](http://docs.google.com/java/math/BigInteger.html) crtCoefficient)            Creates a new RSAOtherPrimeInfo given the prime, primeExponent, and crtCoefficient as defined in PKCS#1. |

| **Method Summary** | |
| --- | --- |
| [BigInteger](http://docs.google.com/java/math/BigInteger.html) | [**getCrtCoefficient**](http://docs.google.com/java/security/spec/RSAOtherPrimeInfo.html#getCrtCoefficient())()            Returns the prime's crtCoefficient. |
| [BigInteger](http://docs.google.com/java/math/BigInteger.html) | [**getExponent**](http://docs.google.com/java/security/spec/RSAOtherPrimeInfo.html#getExponent())()            Returns the prime's exponent. |
| [BigInteger](http://docs.google.com/java/math/BigInteger.html) | [**getPrime**](http://docs.google.com/java/security/spec/RSAOtherPrimeInfo.html#getPrime())()            Returns the prime. |

| **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()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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)) |

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

### RSAOtherPrimeInfo

public **RSAOtherPrimeInfo**([BigInteger](http://docs.google.com/java/math/BigInteger.html) prime,  
 [BigInteger](http://docs.google.com/java/math/BigInteger.html) primeExponent,  
 [BigInteger](http://docs.google.com/java/math/BigInteger.html) crtCoefficient)

Creates a new RSAOtherPrimeInfo given the prime, primeExponent, and crtCoefficient as defined in PKCS#1.

**Parameters:**prime - the prime factor of n.primeExponent - the exponent.crtCoefficient - the Chinese Remainder Theorem coefficient. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if any of the parameters, i.e. prime, primeExponent, crtCoefficient, is null.

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

### getPrime

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

Returns the prime.

**Returns:**the prime.

### getExponent

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

Returns the prime's exponent.

**Returns:**the primeExponent.

### getCrtCoefficient

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

Returns the prime's crtCoefficient.

**Returns:**the crtCoefficient.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RSAOtherPrimeInfo.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/spec/RSAMultiPrimePrivateCrtKeySpec.html)   [**NEXT CLASS**](http://docs.google.com/java/security/spec/RSAPrivateCrtKeySpec.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/spec/RSAOtherPrimeInfo.html)    [**NO FRAMES**](http://docs.google.com/RSAOtherPrimeInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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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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