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

**Uses of Class**

**javax.xml.datatype.XMLGregorianCalendar**

| Packages that use [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | |
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| [**javax.xml.datatype**](#3znysh7) | XML/Java Type Mappings. |

| Uses of [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) in [javax.xml.datatype](http://docs.google.com/javax/xml/datatype/package-summary.html) | |
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| Methods in [javax.xml.datatype](http://docs.google.com/javax/xml/datatype/package-summary.html) that return [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | |
| --- | --- |
| abstract  [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **DatatypeFactory.**[**newXMLGregorianCalendar**](http://docs.google.com/javax/xml/datatype/DatatypeFactory.html#newXMLGregorianCalendar())()            Create a new instance of an XMLGregorianCalendar. |
| abstract  [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **DatatypeFactory.**[**newXMLGregorianCalendar**](http://docs.google.com/javax/xml/datatype/DatatypeFactory.html#newXMLGregorianCalendar(java.math.BigInteger,%20int,%20int,%20int,%20int,%20int,%20java.math.BigDecimal,%20int))([BigInteger](http://docs.google.com/java/math/BigInteger.html) year, int month, int day, int hour, int minute, int second, [BigDecimal](http://docs.google.com/java/math/BigDecimal.html) fractionalSecond, int timezone)            Constructor allowing for complete value spaces allowed by W3C XML Schema 1.0 recommendation for xsd:dateTime and related builtin datatypes. |
| abstract  [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **DatatypeFactory.**[**newXMLGregorianCalendar**](http://docs.google.com/javax/xml/datatype/DatatypeFactory.html#newXMLGregorianCalendar(java.util.GregorianCalendar))([GregorianCalendar](http://docs.google.com/java/util/GregorianCalendar.html) cal)            Create an XMLGregorianCalendar from a [GregorianCalendar](http://docs.google.com/java/util/GregorianCalendar.html). |
| [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **DatatypeFactory.**[**newXMLGregorianCalendar**](http://docs.google.com/javax/xml/datatype/DatatypeFactory.html#newXMLGregorianCalendar(int,%20int,%20int,%20int,%20int,%20int,%20int,%20int))(int year, int month, int day, int hour, int minute, int second, int millisecond, int timezone)            Constructor of value spaces that a java.util.GregorianCalendar instance would need to convert to an XMLGregorianCalendar instance. |
| abstract  [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **DatatypeFactory.**[**newXMLGregorianCalendar**](http://docs.google.com/javax/xml/datatype/DatatypeFactory.html#newXMLGregorianCalendar(java.lang.String))([String](http://docs.google.com/java/lang/String.html) lexicalRepresentation)            Create a new XMLGregorianCalendar by parsing the String as a lexical representation. |
| [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **DatatypeFactory.**[**newXMLGregorianCalendarDate**](http://docs.google.com/javax/xml/datatype/DatatypeFactory.html#newXMLGregorianCalendarDate(int,%20int,%20int,%20int))(int year, int month, int day, int timezone)            Create a Java representation of XML Schema builtin datatype date or g\*. |
| [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **DatatypeFactory.**[**newXMLGregorianCalendarTime**](http://docs.google.com/javax/xml/datatype/DatatypeFactory.html#newXMLGregorianCalendarTime(int,%20int,%20int,%20java.math.BigDecimal,%20int))(int hours, int minutes, int seconds, [BigDecimal](http://docs.google.com/java/math/BigDecimal.html) fractionalSecond, int timezone)            Create a Java instance of XML Schema builtin datatype time. |
| [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **DatatypeFactory.**[**newXMLGregorianCalendarTime**](http://docs.google.com/javax/xml/datatype/DatatypeFactory.html#newXMLGregorianCalendarTime(int,%20int,%20int,%20int))(int hours, int minutes, int seconds, int timezone)            Create a Java instance of XML Schema builtin datatype time. |
| [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **DatatypeFactory.**[**newXMLGregorianCalendarTime**](http://docs.google.com/javax/xml/datatype/DatatypeFactory.html#newXMLGregorianCalendarTime(int,%20int,%20int,%20int,%20int))(int hours, int minutes, int seconds, int milliseconds, int timezone)            Create a Java instance of XML Schema builtin datatype time. |
| abstract  [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | **XMLGregorianCalendar.**[**normalize**](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html#normalize())()            Normalize this instance to UTC. |

| Methods in [javax.xml.datatype](http://docs.google.com/javax/xml/datatype/package-summary.html) with parameters of type [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) | |
| --- | --- |
| abstract  int | **XMLGregorianCalendar.**[**compare**](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html#compare(javax.xml.datatype.XMLGregorianCalendar))([XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) xmlGregorianCalendar)            Compare two instances of W3C XML Schema 1.0 date/time datatypes according to partial order relation defined in [W3C XML Schema 1.0 Part 2, Section 3.2.7.3, *Order relation on dateTime*](http://www.w3.org/TR/xmlschema-2/#dateTime-order). |
| abstract  [GregorianCalendar](http://docs.google.com/java/util/GregorianCalendar.html) | **XMLGregorianCalendar.**[**toGregorianCalendar**](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html#toGregorianCalendar(java.util.TimeZone,%20java.util.Locale,%20javax.xml.datatype.XMLGregorianCalendar))([TimeZone](http://docs.google.com/java/util/TimeZone.html) timezone, [Locale](http://docs.google.com/java/util/Locale.html) aLocale, [XMLGregorianCalendar](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.html) defaults)            Convert this XMLGregorianCalendar along with provided parameters to a [GregorianCalendar](http://docs.google.com/java/util/GregorianCalendar.html) instance. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/xml/datatype/XMLGregorianCalendar.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*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/xml/datatype//class-useXMLGregorianCalendar.html)    [**NO FRAMES**](http://docs.google.com/XMLGregorianCalendar.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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