| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DatatypeConstants.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/datatype/DatatypeConfigurationException.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/datatype/DatatypeConstants.html)    [**NO FRAMES**](http://docs.google.com/DatatypeConstants.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | CONSTR | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#1t3h5sf) | CONSTR | METHOD |

## **javax.xml.datatype**

Class DatatypeConstants

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.xml.datatype.DatatypeConstants**

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

Utility class to contain basic Datatype values as constants.

**Since:** 1.5

| **Nested Class Summary** | |
| --- | --- |
| static class | [**DatatypeConstants.Field**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html)            Type-safe enum class that represents six fields of the [Duration](http://docs.google.com/javax/xml/datatype/Duration.html) class. |

| **Field Summary** | |
| --- | --- |
| static int | [**APRIL**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#APRIL)            Value for fourth month of year. |
| static int | [**AUGUST**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#AUGUST)            Value for eighth month of year. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**DATE**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#DATE)            Fully qualified name for W3C XML Schema 1.0 datatype date. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**DATETIME**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#DATETIME)            Fully qualified name for W3C XML Schema 1.0 datatype dateTime. |
| static [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) | [**DAYS**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#DAYS)            A constant that represents the days field. |
| static int | [**DECEMBER**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#DECEMBER)            Value for twelve month of year. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**DURATION**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#DURATION)            Fully qualified name for W3C XML Schema datatype duration. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**DURATION\_DAYTIME**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#DURATION_DAYTIME)            Fully qualified name for XQuery 1.0 and XPath 2.0 datatype dayTimeDuration. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**DURATION\_YEARMONTH**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#DURATION_YEARMONTH)            Fully qualified name for XQuery 1.0 and XPath 2.0 datatype yearMonthDuration. |
| static int | [**EQUAL**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#EQUAL)            Comparison result. |
| static int | [**FEBRUARY**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#FEBRUARY)            Value for second month of year. |
| static int | [**FIELD\_UNDEFINED**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#FIELD_UNDEFINED)            Designation that an "int" field is not set. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**GDAY**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#GDAY)            Fully qualified name for W3C XML Schema 1.0 datatype gDay. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**GMONTH**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#GMONTH)            Fully qualified name for W3C XML Schema 1.0 datatype gMonth. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**GMONTHDAY**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#GMONTHDAY)            Fully qualified name for W3C XML Schema 1.0 datatype gMonthDay. |
| static int | [**GREATER**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#GREATER)            Comparison result. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**GYEAR**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#GYEAR)            Fully qualified name for W3C XML Schema 1.0 datatype gYear. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**GYEARMONTH**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#GYEARMONTH)            Fully qualified name for W3C XML Schema 1.0 datatype gYearMonth. |
| static [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) | [**HOURS**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#HOURS)            A constant that represents the hours field. |
| static int | [**INDETERMINATE**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#INDETERMINATE)            Comparison result. |
| static int | [**JANUARY**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#JANUARY)            Value for first month of year. |
| static int | [**JULY**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#JULY)            Value for seventh month of year. |
| static int | [**JUNE**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#JUNE)            Value for sixth month of year. |
| static int | [**LESSER**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#LESSER)            Comparison result. |
| static int | [**MARCH**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#MARCH)            Value for third month of year. |
| static int | [**MAX\_TIMEZONE\_OFFSET**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#MAX_TIMEZONE_OFFSET)            W3C XML Schema max timezone offset is -14:00. |
| static int | [**MAY**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#MAY)            Value for fifth month of year. |
| static int | [**MIN\_TIMEZONE\_OFFSET**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#MIN_TIMEZONE_OFFSET)            W3C XML Schema min timezone offset is +14:00. |
| static [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) | [**MINUTES**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#MINUTES)            A constant that represents the minutes field. |
| static [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) | [**MONTHS**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#MONTHS)            A constant that represents the months field. |
| static int | [**NOVEMBER**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#NOVEMBER)            Value for eleven month of year. |
| static int | [**OCTOBER**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#OCTOBER)            Value for tenth month of year. |
| static [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) | [**SECONDS**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#SECONDS)            A constant that represents the seconds field. |
| static int | [**SEPTEMBER**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#SEPTEMBER)            Value for ninth month of year. |
| static [QName](http://docs.google.com/javax/xml/namespace/QName.html) | [**TIME**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#TIME)            Fully qualified name for W3C XML Schema 1.0 datatype time. |
| static [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) | [**YEARS**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.html#YEARS)            A constant that represents the years field. |

| **Method Summary** | |
| --- | --- |

| **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)) |

| **Field Detail** |
| --- |

### JANUARY

public static final int **JANUARY**

Value for first month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.JANUARY)

### FEBRUARY

public static final int **FEBRUARY**

Value for second month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.FEBRUARY)

### MARCH

public static final int **MARCH**

Value for third month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.MARCH)

### APRIL

public static final int **APRIL**

Value for fourth month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.APRIL)

### MAY

public static final int **MAY**

Value for fifth month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.MAY)

### JUNE

public static final int **JUNE**

Value for sixth month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.JUNE)

### JULY

public static final int **JULY**

Value for seventh month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.JULY)

### AUGUST

public static final int **AUGUST**

Value for eighth month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.AUGUST)

### SEPTEMBER

public static final int **SEPTEMBER**

Value for ninth month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.SEPTEMBER)

### OCTOBER

public static final int **OCTOBER**

Value for tenth month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.OCTOBER)

### NOVEMBER

public static final int **NOVEMBER**

Value for eleven month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.NOVEMBER)

### DECEMBER

public static final int **DECEMBER**

Value for twelve month of year.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.DECEMBER)

### LESSER

public static final int **LESSER**

Comparison result.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.LESSER)

### EQUAL

public static final int **EQUAL**

Comparison result.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.EQUAL)

### GREATER

public static final int **GREATER**

Comparison result.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.GREATER)

### INDETERMINATE

public static final int **INDETERMINATE**

Comparison result.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.INDETERMINATE)

### FIELD\_UNDEFINED

public static final int **FIELD\_UNDEFINED**

Designation that an "int" field is not set.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.FIELD_UNDEFINED)

### YEARS

public static final [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) **YEARS**

A constant that represents the years field.

### MONTHS

public static final [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) **MONTHS**

A constant that represents the months field.

### DAYS

public static final [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) **DAYS**

A constant that represents the days field.

### HOURS

public static final [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) **HOURS**

A constant that represents the hours field.

### MINUTES

public static final [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) **MINUTES**

A constant that represents the minutes field.

### SECONDS

public static final [DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) **SECONDS**

A constant that represents the seconds field.

### DATETIME

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **DATETIME**

Fully qualified name for W3C XML Schema 1.0 datatype dateTime.

### TIME

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **TIME**

Fully qualified name for W3C XML Schema 1.0 datatype time.

### DATE

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **DATE**

Fully qualified name for W3C XML Schema 1.0 datatype date.

### GYEARMONTH

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **GYEARMONTH**

Fully qualified name for W3C XML Schema 1.0 datatype gYearMonth.

### GMONTHDAY

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **GMONTHDAY**

Fully qualified name for W3C XML Schema 1.0 datatype gMonthDay.

### GYEAR

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **GYEAR**

Fully qualified name for W3C XML Schema 1.0 datatype gYear.

### GMONTH

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **GMONTH**

Fully qualified name for W3C XML Schema 1.0 datatype gMonth.

### GDAY

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **GDAY**

Fully qualified name for W3C XML Schema 1.0 datatype gDay.

### DURATION

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **DURATION**

Fully qualified name for W3C XML Schema datatype duration.

### DURATION\_DAYTIME

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **DURATION\_DAYTIME**

Fully qualified name for XQuery 1.0 and XPath 2.0 datatype dayTimeDuration.

### DURATION\_YEARMONTH

public static final [QName](http://docs.google.com/javax/xml/namespace/QName.html) **DURATION\_YEARMONTH**

Fully qualified name for XQuery 1.0 and XPath 2.0 datatype yearMonthDuration.

### MAX\_TIMEZONE\_OFFSET

public static final int **MAX\_TIMEZONE\_OFFSET**

W3C XML Schema max timezone offset is -14:00. Zone offset is in minutes.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.MAX_TIMEZONE_OFFSET)

### MIN\_TIMEZONE\_OFFSET

public static final int **MIN\_TIMEZONE\_OFFSET**

W3C XML Schema min timezone offset is +14:00. Zone offset is in minutes.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.datatype.DatatypeConstants.MIN_TIMEZONE_OFFSET)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DatatypeConstants.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/datatype/DatatypeConfigurationException.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/datatype/DatatypeConstants.html)    [**NO FRAMES**](http://docs.google.com/DatatypeConstants.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | CONSTR | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#1t3h5sf) | CONSTR | METHOD |

[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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