| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TCKind.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/org/omg/CORBA/SystemException.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA/TIMEOUT.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA/TCKind.html)    [**NO FRAMES**](http://docs.google.com/TCKind.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#3hv69ve) | [METHOD](#4h042r0) |

## **org.omg.CORBA**

Class TCKind

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **org.omg.CORBA.TCKind**

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

The Java mapping of the IDL enum TCKind, which specifies the kind of a TypeCode object. There is one kind for each primitive and essential IDL data type.

The class TCKind consists of:

* a set of int constants, one for each kind of IDL data type. These int constants make it possible to use a switch statement.
* a set of TCKind constants, one for each kind of IDL data type. The value field for each TCKind instance is initialized with the int constant that corresponds with the IDL data type that the instance represents.
* the method from\_intfor converting an int to its corresponding TCKind instance  
  Example:  
   org.omg.CORBA.TCKind k = org.omg.CORBA.TCKind.from\_int(  
   org.omg.CORBA.TCKind.\_tk\_string);  
   The variable k represents the TCKind instance for the IDL type string, which is tk\_string.
* the method value for accessing the \_value field of a TCKind constant  
  Example:  
   int i = org.omg.CORBA.TCKind.tk\_char.value();  
   The variable i represents 9, the value for the IDL data type char.

The value field of a TCKind instance is the CDR encoding used for a TypeCode object in an IIOP message.

| **Field Summary** | |
| --- | --- |
| static int | [**\_tk\_abstract\_interface**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_abstract_interface)            The int constant for the IDL data type abstract interface. |
| static int | [**\_tk\_alias**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_alias)            The int constant for the IDL data type alias. |
| static int | [**\_tk\_any**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_any)            The int constant for the IDL data type any. |
| static int | [**\_tk\_array**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_array)            The int constant for the IDL data type array. |
| static int | [**\_tk\_boolean**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_boolean)            The int constant for the IDL data type boolean. |
| static int | [**\_tk\_char**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_char)            The int constant for the IDL data type char. |
| static int | [**\_tk\_double**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_double)            The int constant for the IDL data type double. |
| static int | [**\_tk\_enum**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_enum)            The int constant for the IDL data type enum. |
| static int | [**\_tk\_except**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_except)            The int constant for the IDL data type except. |
| static int | [**\_tk\_fixed**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_fixed)            The int constant for the IDL data type fixed. |
| static int | [**\_tk\_float**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_float)            The int constant for the IDL data type float. |
| static int | [**\_tk\_long**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_long)            The int constant for the IDL data type long. |
| static int | [**\_tk\_longdouble**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_longdouble)            The int constant for the IDL data type longdouble. |
| static int | [**\_tk\_longlong**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_longlong)            The int constant for the IDL data type longlong. |
| static int | [**\_tk\_native**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_native)            The int constant for the IDL data type native. |
| static int | [**\_tk\_null**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_null)            The int constant for a null IDL data type. |
| static int | [**\_tk\_objref**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_objref)            The int constant for the IDL data type objref. |
| static int | [**\_tk\_octet**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_octet)            The int constant for the IDL data type octet. |
| static int | [**\_tk\_Principal**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_Principal)            The int constant for the IDL data type Principal. |
| static int | [**\_tk\_sequence**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_sequence)            The int constant for the IDL data type sequence. |
| static int | [**\_tk\_short**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_short)            The int constant for the IDL data type short. |
| static int | [**\_tk\_string**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_string)            The int constant for the IDL data type string. |
| static int | [**\_tk\_struct**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_struct)            The int constant for the IDL data type struct. |
| static int | [**\_tk\_TypeCode**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_TypeCode)            The int constant for the IDL data type TypeCode. |
| static int | [**\_tk\_ulong**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_ulong)            The int constant for the IDL data type ulong. |
| static int | [**\_tk\_ulonglong**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_ulonglong)            The int constant for the IDL data type ulonglong. |
| static int | [**\_tk\_union**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_union)            The int constant for the IDL data type union. |
| static int | [**\_tk\_ushort**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_ushort)            The int constant for the IDL data type ushort. |
| static int | [**\_tk\_value**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_value)            The int constant for the IDL data type value. |
| static int | [**\_tk\_value\_box**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_value_box)            The int constant for the IDL data type value\_box. |
| static int | [**\_tk\_void**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_void)            The int constant for the IDL data type void. |
| static int | [**\_tk\_wchar**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_wchar)            The int constant for the IDL data type wchar. |
| static int | [**\_tk\_wstring**](http://docs.google.com/org/omg/CORBA/TCKind.html#_tk_wstring)            The int constant for the IDL data type wstring. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_abstract\_interface**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_abstract_interface)            The TCKind constant whose value field is initialized with TCKind.\_tk\_abstract\_interface. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_alias**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_alias)            The TCKind constant whose value field is initialized with TCKind.\_tk\_alias. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_any**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_any)            The TCKind constant whose value field is initialized with TCKind.\_tk\_any. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_array**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_array)            The TCKind constant whose value field is initialized with TCKind.\_tk\_array. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_boolean**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_boolean)            The TCKind constant whose value field is initialized with TCKind.\_tk\_boolean. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_char**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_char)            The TCKind constant whose value field is initialized with TCKind.\_tk\_char. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_double**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_double)            The TCKind constant whose value field is initialized with TCKind.\_tk\_double. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_enum**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_enum)            The TCKind constant whose value field is initialized with TCKind.\_tk\_enum. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_except**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_except)            The TCKind constant whose value field is initialized with TCKind.\_tk\_except. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_fixed**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_fixed)            The TCKind constant whose value field is initialized with TCKind.\_tk\_fixed. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_float**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_float)            The TCKind constant whose value field is initialized with TCKind.\_tk\_float. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_long**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_long)            The TCKind constant whose value field is initialized with TCKind.\_tk\_long. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_longdouble**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_longdouble)            The TCKind constant whose value field is initialized with TCKind.\_tk\_longdouble. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_longlong**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_longlong)            The TCKind constant whose value field is initialized with TCKind.\_tk\_longlong. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_native**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_native)            The TCKind constant whose value field is initialized with TCKind.\_tk\_native. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_null**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_null)            The TCKind constant whose value field is initialized with TCKind.\_tk\_null. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_objref**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_objref)            The TCKind constant whose value field is initialized with TCKind.\_tk\_objref. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_octet**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_octet)            The TCKind constant whose value field is initialized with TCKind.\_tk\_octet. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_Principal**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_Principal)            The TCKind constant whose value field is initialized with TCKind.\_tk\_Principal. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_sequence**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_sequence)            The TCKind constant whose value field is initialized with TCKind.\_tk\_sequence. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_short**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_short)            The TCKind constant whose value field is initialized with TCKind.\_tk\_short. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_string**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_string)            The TCKind constant whose value field is initialized with TCKind.\_tk\_string. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_struct**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_struct)            The TCKind constant whose value field is initialized with TCKind.\_tk\_struct. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_TypeCode**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_TypeCode)            The TCKind constant whose value field is initialized with TCKind.\_tk\_TypeCode. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_ulong**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_ulong)            The TCKind constant whose value field is initialized with TCKind.\_tk\_ulong. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_ulonglong**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_ulonglong)            The TCKind constant whose value field is initialized with TCKind.\_tk\_ulonglong. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_union**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_union)            The TCKind constant whose value field is initialized with TCKind.\_tk\_union. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_ushort**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_ushort)            The TCKind constant whose value field is initialized with TCKind.\_tk\_ushort. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_value**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_value)            The TCKind constant whose value field is initialized with TCKind.\_tk\_value. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_value\_box**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_value_box)            The TCKind constant whose value field is initialized with TCKind.\_tk\_value\_box. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_void**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_void)            The TCKind constant whose value field is initialized with TCKind.\_tk\_void. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_wchar**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_wchar)            The TCKind constant whose value field is initialized with TCKind.\_tk\_wchar. |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**tk\_wstring**](http://docs.google.com/org/omg/CORBA/TCKind.html#tk_wstring)            The TCKind constant whose value field is initialized with TCKind.\_tk\_wstring. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**TCKind**](http://docs.google.com/org/omg/CORBA/TCKind.html#TCKind(int))(int \_value)  **Deprecated.** *Do not use this constructor as this method should be private according to the OMG specification. Use* [*from\_int(int)*](http://docs.google.com/org/omg/CORBA/TCKind.html#from_int(int)) *instead.* |

| **Method Summary** | |
| --- | --- |
| static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**from\_int**](http://docs.google.com/org/omg/CORBA/TCKind.html#from_int(int))(int i)            Converts the given int to the corresponding TCKind instance. |
| int | [**value**](http://docs.google.com/org/omg/CORBA/TCKind.html#value())()            Retrieves the value of this TCKind instance. |

| **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** |
| --- |

### \_tk\_null

public static final int **\_tk\_null**

The int constant for a null IDL data type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_null)

### \_tk\_void

public static final int **\_tk\_void**

The int constant for the IDL data type void.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_void)

### \_tk\_short

public static final int **\_tk\_short**

The int constant for the IDL data type short.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_short)

### \_tk\_long

public static final int **\_tk\_long**

The int constant for the IDL data type long.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_long)

### \_tk\_ushort

public static final int **\_tk\_ushort**

The int constant for the IDL data type ushort.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_ushort)

### \_tk\_ulong

public static final int **\_tk\_ulong**

The int constant for the IDL data type ulong.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_ulong)

### \_tk\_float

public static final int **\_tk\_float**

The int constant for the IDL data type float.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_float)

### \_tk\_double

public static final int **\_tk\_double**

The int constant for the IDL data type double.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_double)

### \_tk\_boolean

public static final int **\_tk\_boolean**

The int constant for the IDL data type boolean.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_boolean)

### \_tk\_char

public static final int **\_tk\_char**

The int constant for the IDL data type char.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_char)

### \_tk\_octet

public static final int **\_tk\_octet**

The int constant for the IDL data type octet.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_octet)

### \_tk\_any

public static final int **\_tk\_any**

The int constant for the IDL data type any.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_any)

### \_tk\_TypeCode

public static final int **\_tk\_TypeCode**

The int constant for the IDL data type TypeCode.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_TypeCode)

### \_tk\_Principal

public static final int **\_tk\_Principal**

The int constant for the IDL data type Principal.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_Principal)

### \_tk\_objref

public static final int **\_tk\_objref**

The int constant for the IDL data type objref.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_objref)

### \_tk\_struct

public static final int **\_tk\_struct**

The int constant for the IDL data type struct.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_struct)

### \_tk\_union

public static final int **\_tk\_union**

The int constant for the IDL data type union.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_union)

### \_tk\_enum

public static final int **\_tk\_enum**

The int constant for the IDL data type enum.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_enum)

### \_tk\_string

public static final int **\_tk\_string**

The int constant for the IDL data type string.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_string)

### \_tk\_sequence

public static final int **\_tk\_sequence**

The int constant for the IDL data type sequence.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_sequence)

### \_tk\_array

public static final int **\_tk\_array**

The int constant for the IDL data type array.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_array)

### \_tk\_alias

public static final int **\_tk\_alias**

The int constant for the IDL data type alias.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_alias)

### \_tk\_except

public static final int **\_tk\_except**

The int constant for the IDL data type except.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_except)

### \_tk\_longlong

public static final int **\_tk\_longlong**

The int constant for the IDL data type longlong.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_longlong)

### \_tk\_ulonglong

public static final int **\_tk\_ulonglong**

The int constant for the IDL data type ulonglong.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_ulonglong)

### \_tk\_longdouble

public static final int **\_tk\_longdouble**

The int constant for the IDL data type longdouble.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_longdouble)

### \_tk\_wchar

public static final int **\_tk\_wchar**

The int constant for the IDL data type wchar.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_wchar)

### \_tk\_wstring

public static final int **\_tk\_wstring**

The int constant for the IDL data type wstring.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_wstring)

### \_tk\_fixed

public static final int **\_tk\_fixed**

The int constant for the IDL data type fixed.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_fixed)

### \_tk\_value

public static final int **\_tk\_value**

The int constant for the IDL data type value.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_value)

### \_tk\_value\_box

public static final int **\_tk\_value\_box**

The int constant for the IDL data type value\_box.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_value_box)

### \_tk\_native

public static final int **\_tk\_native**

The int constant for the IDL data type native.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_native)

### \_tk\_abstract\_interface

public static final int **\_tk\_abstract\_interface**

The int constant for the IDL data type abstract interface.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.omg.CORBA.TCKind._tk_abstract_interface)

### tk\_null

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_null**

The TCKind constant whose value field is initialized with TCKind.\_tk\_null.

### tk\_void

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_void**

The TCKind constant whose value field is initialized with TCKind.\_tk\_void.

### tk\_short

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_short**

The TCKind constant whose value field is initialized with TCKind.\_tk\_short.

### tk\_long

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_long**

The TCKind constant whose value field is initialized with TCKind.\_tk\_long.

### tk\_ushort

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_ushort**

The TCKind constant whose value field is initialized with TCKind.\_tk\_ushort.

### tk\_ulong

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_ulong**

The TCKind constant whose value field is initialized with TCKind.\_tk\_ulong.

### tk\_float

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_float**

The TCKind constant whose value field is initialized with TCKind.\_tk\_float.

### tk\_double

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_double**

The TCKind constant whose value field is initialized with TCKind.\_tk\_double.

### tk\_boolean

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_boolean**

The TCKind constant whose value field is initialized with TCKind.\_tk\_boolean.

### tk\_char

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_char**

The TCKind constant whose value field is initialized with TCKind.\_tk\_char.

### tk\_octet

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_octet**

The TCKind constant whose value field is initialized with TCKind.\_tk\_octet.

### tk\_any

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_any**

The TCKind constant whose value field is initialized with TCKind.\_tk\_any.

### tk\_TypeCode

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_TypeCode**

The TCKind constant whose value field is initialized with TCKind.\_tk\_TypeCode.

### tk\_Principal

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_Principal**

The TCKind constant whose value field is initialized with TCKind.\_tk\_Principal.

### tk\_objref

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_objref**

The TCKind constant whose value field is initialized with TCKind.\_tk\_objref.

### tk\_struct

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_struct**

The TCKind constant whose value field is initialized with TCKind.\_tk\_struct.

### tk\_union

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_union**

The TCKind constant whose value field is initialized with TCKind.\_tk\_union.

### tk\_enum

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_enum**

The TCKind constant whose value field is initialized with TCKind.\_tk\_enum.

### tk\_string

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_string**

The TCKind constant whose value field is initialized with TCKind.\_tk\_string.

### tk\_sequence

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_sequence**

The TCKind constant whose value field is initialized with TCKind.\_tk\_sequence.

### tk\_array

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_array**

The TCKind constant whose value field is initialized with TCKind.\_tk\_array.

### tk\_alias

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_alias**

The TCKind constant whose value field is initialized with TCKind.\_tk\_alias.

### tk\_except

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_except**

The TCKind constant whose value field is initialized with TCKind.\_tk\_except.

### tk\_longlong

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_longlong**

The TCKind constant whose value field is initialized with TCKind.\_tk\_longlong.

### tk\_ulonglong

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_ulonglong**

The TCKind constant whose value field is initialized with TCKind.\_tk\_ulonglong.

### tk\_longdouble

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_longdouble**

The TCKind constant whose value field is initialized with TCKind.\_tk\_longdouble.

### tk\_wchar

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_wchar**

The TCKind constant whose value field is initialized with TCKind.\_tk\_wchar.

### tk\_wstring

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_wstring**

The TCKind constant whose value field is initialized with TCKind.\_tk\_wstring.

### tk\_fixed

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_fixed**

The TCKind constant whose value field is initialized with TCKind.\_tk\_fixed.

### tk\_value

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_value**

The TCKind constant whose value field is initialized with TCKind.\_tk\_value.

### tk\_value\_box

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_value\_box**

The TCKind constant whose value field is initialized with TCKind.\_tk\_value\_box.

### tk\_native

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_native**

The TCKind constant whose value field is initialized with TCKind.\_tk\_native.

### tk\_abstract\_interface

public static final [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **tk\_abstract\_interface**

The TCKind constant whose value field is initialized with TCKind.\_tk\_abstract\_interface.

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

### TCKind

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
protected **TCKind**(int \_value)

**Deprecated.** *Do not use this constructor as this method should be private according to the OMG specification. Use* [*from\_int(int)*](http://docs.google.com/org/omg/CORBA/TCKind.html#from_int(int)) *instead.*

Creates a new TCKind instance initialized with the given int.

**Parameters:**\_value - the int to convert. It must be one of the int constants in the class TCKind.

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

### value

public int **value**()

Retrieves the value of this TCKind instance.

**Returns:**the int that represents the kind of IDL data type for this TCKind instance

### from\_int

public static [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **from\_int**(int i)

Converts the given int to the corresponding TCKind instance.

**Parameters:**i - the int to convert. It must be one of the int constants in the class TCKind. **Returns:**the TCKind instance whose value field matches the given int **Throws:** [BAD\_PARAM](http://docs.google.com/org/omg/CORBA/BAD_PARAM.html) - if the given int does not match the \_value field of any TCKind instance

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TCKind.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/org/omg/CORBA/SystemException.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA/TIMEOUT.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA/TCKind.html)    [**NO FRAMES**](http://docs.google.com/TCKind.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#3hv69ve) | [METHOD](#4h042r0) |

[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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