| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/_DynStructStub.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/DynamicAny/_DynSequenceStub.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/DynamicAny/_DynUnionStub.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/DynamicAny/_DynStructStub.html)    [**NO FRAMES**](http://docs.google.com/_DynStructStub.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

## **org.omg.DynamicAny**

Class \_DynStructStub

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [org.omg.CORBA.portable.ObjectImpl](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html)  
 **org.omg.DynamicAny.\_DynStructStub**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Object](http://docs.google.com/org/omg/CORBA/Object.html), [IDLEntity](http://docs.google.com/org/omg/CORBA/portable/IDLEntity.html), [DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html), [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html), [DynStruct](http://docs.google.com/org/omg/DynamicAny/DynStruct.html), [DynStructOperations](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html)

public class **\_DynStructStub**extends [ObjectImpl](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html)implements [DynStruct](http://docs.google.com/org/omg/DynamicAny/DynStruct.html)

DynStruct objects support the manipulation of IDL struct and exception values. Members of the exceptions are handled in the same way as members of a struct.

| **Field Summary** | |
| --- | --- |
| static [Class](http://docs.google.com/java/lang/Class.html) | [**\_opsClass**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#_opsClass) |

| **Constructor Summary** | |
| --- | --- |
| [**\_DynStructStub**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#_DynStructStub())() |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html)[] | [**\_ids**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#_ids())()            Retrieves a string array containing the repository identifiers supported by this ObjectImpl object. |
| void | [**assign**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#assign(org.omg.DynamicAny.DynAny))([DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) dyn\_any)            Initializes the value associated with a DynAny object with the value associated with another DynAny object. |
| int | [**component\_count**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#component_count())()            Returns the number of components of a DynAny. |
| [DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) | [**copy**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#copy())()            Creates a new DynAny object whose value is a deep copy of the DynAny on which it is invoked. |
| [DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) | [**current\_component**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#current_component())()            Returns the DynAny for the component at the current position. |
| [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) | [**current\_member\_kind**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#current_member_kind())()            Returns the TCKind associated with the member at the current position. |
| [String](http://docs.google.com/java/lang/String.html) | [**current\_member\_name**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#current_member_name())()            Returns the name of the member at the current position. |
| void | [**destroy**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#destroy())()            Destroys a DynAny object. |
| boolean | [**equal**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#equal(org.omg.DynamicAny.DynAny))([DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) dyn\_any)            Compares two DynAny values for equality. |
| void | [**from\_any**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#from_any(org.omg.CORBA.Any))([Any](http://docs.google.com/org/omg/CORBA/Any.html) value)            Initializes the value associated with a DynAny object with the value contained in an any. |
| [Any](http://docs.google.com/org/omg/CORBA/Any.html) | [**get\_any**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_any())()            Extracts an Any value contained in the Any represented by this DynAny. |
| boolean | [**get\_boolean**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_boolean())()            Extracts the boolean value from this DynAny. |
| char | [**get\_char**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_char())()            Extracts the char value from this DynAny. |
| double | [**get\_double**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_double())()            Extracts the double value from this DynAny. |
| [DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) | [**get\_dyn\_any**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_dyn_any())()            Extracts the Any value contained in the Any represented by this DynAny and returns it wrapped into a new DynAny. |
| float | [**get\_float**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_float())()            Extracts the float value from this DynAny. |
| int | [**get\_long**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_long())()            Extracts the integer value from this DynAny. |
| long | [**get\_longlong**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_longlong())()            Extracts the long value from this DynAny. |
| [NameDynAnyPair](http://docs.google.com/org/omg/DynamicAny/NameDynAnyPair.html)[] | [**get\_members\_as\_dyn\_any**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_members_as_dyn_any())()            Returns a sequence of NameDynAnyPairs describing the name and the value of each member in the struct associated with a DynStruct object. |
| [NameValuePair](http://docs.google.com/org/omg/DynamicAny/NameValuePair.html)[] | [**get\_members**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_members())()            Returns a sequence of NameValuePairs describing the name and the value of each member in the struct associated with a DynStruct object. |
| byte | [**get\_octet**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_octet())()            Extracts the byte value from this DynAny. |
| [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**get\_reference**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_reference())()            Extracts the reference to a CORBA Object from this DynAny. |
| short | [**get\_short**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_short())()            Extracts the short value from this DynAny. |
| [String](http://docs.google.com/java/lang/String.html) | [**get\_string**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_string())()            Extracts the string value from this DynAny. |
| [TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) | [**get\_typecode**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_typecode())()            Extracts the TypeCode object from this DynAny. |
| int | [**get\_ulong**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_ulong())()            Extracts the integer value from this DynAny. |
| long | [**get\_ulonglong**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_ulonglong())()            Extracts the long value from this DynAny. |
| short | [**get\_ushort**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_ushort())()            Extracts the short value from this DynAny. |
| [Serializable](http://docs.google.com/java/io/Serializable.html) | [**get\_val**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_val())()            Extracts a Serializable object from this DynAny. |
| char | [**get\_wchar**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_wchar())()            Extracts the long value from this DynAny. |
| [String](http://docs.google.com/java/lang/String.html) | [**get\_wstring**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#get_wstring())()            Extracts the string value from this DynAny. |
| void | [**insert\_any**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_any(org.omg.CORBA.Any))([Any](http://docs.google.com/org/omg/CORBA/Any.html) value)            Inserts an Any value into the Any represented by this DynAny. |
| void | [**insert\_boolean**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_boolean(boolean))(boolean value)            Inserts a boolean value into the DynAny. |
| void | [**insert\_char**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_char(char))(char value)            Inserts a char value into the DynAny. |
| void | [**insert\_double**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_double(double))(double value)            Inserts a double value into the DynAny. |
| void | [**insert\_dyn\_any**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_dyn_any(org.omg.DynamicAny.DynAny))([DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) value)            Inserts the Any value contained in the parameter DynAny into the Any represented by this DynAny. |
| void | [**insert\_float**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_float(float))(float value)            Inserts a float value into the DynAny. |
| void | [**insert\_long**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_long(int))(int value)            Inserts an integer value into the DynAny. |
| void | [**insert\_longlong**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_longlong(long))(long value)            Inserts a long value into the DynAny. |
| void | [**insert\_octet**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_octet(byte))(byte value)            Inserts a byte value into the DynAny. |
| void | [**insert\_reference**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_reference(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) value)            Inserts a reference to a CORBA object into the DynAny. |
| void | [**insert\_short**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_short(short))(short value)            Inserts a short value into the DynAny. |
| void | [**insert\_string**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_string(java.lang.String))([String](http://docs.google.com/java/lang/String.html) value)            Inserts a string value into the DynAny. |
| void | [**insert\_typecode**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_typecode(org.omg.CORBA.TypeCode))([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) value)            Inserts a TypeCode object into the DynAny. |
| void | [**insert\_ulong**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_ulong(int))(int value)            Inserts an integer value into the DynAny. |
| void | [**insert\_ulonglong**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_ulonglong(long))(long value)            Inserts a long value into the DynAny. |
| void | [**insert\_ushort**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_ushort(short))(short value)            Inserts a short value into the DynAny. |
| void | [**insert\_val**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_val(java.io.Serializable))([Serializable](http://docs.google.com/java/io/Serializable.html) value)            Inserts a reference to a Serializable object into this DynAny. |
| void | [**insert\_wchar**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_wchar(char))(char value)            Inserts a char value into the DynAny. |
| void | [**insert\_wstring**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#insert_wstring(java.lang.String))([String](http://docs.google.com/java/lang/String.html) value)            Inserts a string value into the DynAny. |
| boolean | [**next**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#next())()            Advances the current position to the next component. |
| void | [**rewind**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#rewind())()            Is equivalent to seek(0). |
| boolean | [**seek**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#seek(int))(int index)            Sets the current position to index. |
| void | [**set\_members\_as\_dyn\_any**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#set_members_as_dyn_any(org.omg.DynamicAny.NameDynAnyPair%5B%5D))([NameDynAnyPair](http://docs.google.com/org/omg/DynamicAny/NameDynAnyPair.html)[] value)            Initializes the struct data value associated with a DynStruct object from a sequence of NameDynAnyPairs. |
| void | [**set\_members**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#set_members(org.omg.DynamicAny.NameValuePair%5B%5D))([NameValuePair](http://docs.google.com/org/omg/DynamicAny/NameValuePair.html)[] value)            Initializes the struct data value associated with a DynStruct object from a sequence of NameValuePairs. |
| [Any](http://docs.google.com/org/omg/CORBA/Any.html) | [**to\_any**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#to_any())()            Creates an any value from a DynAny object. |
| [TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) | [**type**](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html#type())()            Returns the TypeCode associated with this DynAny object. |

| **Methods inherited from class org.omg.CORBA.portable.**[**ObjectImpl**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html) |
| --- |
| [\_create\_request](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue)), [\_create\_request](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue,%20org.omg.CORBA.ExceptionList,%20org.omg.CORBA.ContextList)), [\_duplicate](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_duplicate()), [\_get\_delegate](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_get_delegate()), [\_get\_domain\_managers](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_get_domain_managers()), [\_get\_interface\_def](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_get_interface_def()), [\_get\_policy](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_get_policy(int)), [\_hash](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_hash(int)), [\_invoke](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_invoke(org.omg.CORBA.portable.OutputStream)), [\_is\_a](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_is_a(java.lang.String)), [\_is\_equivalent](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_is_equivalent(org.omg.CORBA.Object)), [\_is\_local](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_is_local()), [\_non\_existent](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_non_existent()), [\_orb](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_orb()), [\_release](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_release()), [\_releaseReply](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_releaseReply(org.omg.CORBA.portable.InputStream)), [\_request](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_request(java.lang.String)), [\_request](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_request(java.lang.String,%20boolean)), [\_servant\_postinvoke](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_servant_postinvoke(org.omg.CORBA.portable.ServantObject)), [\_servant\_preinvoke](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_servant_preinvoke(java.lang.String,%20java.lang.Class)), [\_set\_delegate](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_set_delegate(org.omg.CORBA.portable.Delegate)), [\_set\_policy\_override](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_set_policy_override(org.omg.CORBA.Policy%5B%5D,%20org.omg.CORBA.SetOverrideType)), [equals](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#equals(java.lang.Object)), [hashCode](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#hashCode()), [toString](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#toString()) |

| **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 org.omg.CORBA.**[**Object**](http://docs.google.com/org/omg/CORBA/Object.html) |
| --- |
| [\_create\_request](http://docs.google.com/org/omg/CORBA/Object.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue)), [\_create\_request](http://docs.google.com/org/omg/CORBA/Object.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue,%20org.omg.CORBA.ExceptionList,%20org.omg.CORBA.ContextList)), [\_duplicate](http://docs.google.com/org/omg/CORBA/Object.html#_duplicate()), [\_get\_domain\_managers](http://docs.google.com/org/omg/CORBA/Object.html#_get_domain_managers()), [\_get\_interface\_def](http://docs.google.com/org/omg/CORBA/Object.html#_get_interface_def()), [\_get\_policy](http://docs.google.com/org/omg/CORBA/Object.html#_get_policy(int)), [\_hash](http://docs.google.com/org/omg/CORBA/Object.html#_hash(int)), [\_is\_a](http://docs.google.com/org/omg/CORBA/Object.html#_is_a(java.lang.String)), [\_is\_equivalent](http://docs.google.com/org/omg/CORBA/Object.html#_is_equivalent(org.omg.CORBA.Object)), [\_non\_existent](http://docs.google.com/org/omg/CORBA/Object.html#_non_existent()), [\_release](http://docs.google.com/org/omg/CORBA/Object.html#_release()), [\_request](http://docs.google.com/org/omg/CORBA/Object.html#_request(java.lang.String)), [\_set\_policy\_override](http://docs.google.com/org/omg/CORBA/Object.html#_set_policy_override(org.omg.CORBA.Policy%5B%5D,%20org.omg.CORBA.SetOverrideType)) |

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

### \_opsClass

public static final [Class](http://docs.google.com/java/lang/Class.html) **\_opsClass**

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

### \_DynStructStub

public **\_DynStructStub**()

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

### current\_member\_name

public [String](http://docs.google.com/java/lang/String.html) **current\_member\_name**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Returns the name of the member at the current position. This operation may return an empty string since the TypeCode of the value being manipulated may not contain the names of members.

**Specified by:**[current\_member\_name](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html#current_member_name()) in interface [DynStructOperations](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html) **Throws:** TypeMismatch - if the DynStruct represents an empty exception. InvalidValue - if the current position does not indicate a member

### current\_member\_kind

public [TCKind](http://docs.google.com/org/omg/CORBA/TCKind.html) **current\_member\_kind**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Returns the TCKind associated with the member at the current position.

**Specified by:**[current\_member\_kind](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html#current_member_kind()) in interface [DynStructOperations](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html) **Throws:** TypeMismatch - if the DynStruct represents an empty exception. InvalidValue - if the current position does not indicate a member

### get\_members

public [NameValuePair](http://docs.google.com/org/omg/DynamicAny/NameValuePair.html)[] **get\_members**()

Returns a sequence of NameValuePairs describing the name and the value of each member in the struct associated with a DynStruct object. The sequence contains members in the same order as the declaration order of members as indicated by the DynStruct's TypeCode. The current position is not affected. The member names in the returned sequence will be empty strings if the DynStruct's TypeCode does not contain member names.

**Specified by:**[get\_members](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html#get_members()) in interface [DynStructOperations](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html)

### set\_members

public void **set\_members**([NameValuePair](http://docs.google.com/org/omg/DynamicAny/NameValuePair.html)[] value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Initializes the struct data value associated with a DynStruct object from a sequence of NameValuePairs. The operation sets the current position to zero if the passed sequences has non-zero length. Otherwise, if an empty sequence is passed, the current position is set to -1.

Members must appear in the NameValuePairs in the order in which they appear in the IDL specification of the struct as indicated by the DynStruct's TypeCode or they must be empty strings. The operation makes no attempt to assign member values based on member names.

**Specified by:**[set\_members](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html#set_members(org.omg.DynamicAny.NameValuePair%5B%5D)) in interface [DynStructOperations](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html) **Throws:** TypeMismatch - if the member names supplied in the passed sequence do not match the corresponding member name in the DynStruct's TypeCode and they are not empty strings InvalidValue - if the passed sequence has a number of elements that disagrees with the number of members as indicated by the DynStruct's TypeCode

### get\_members\_as\_dyn\_any

public [NameDynAnyPair](http://docs.google.com/org/omg/DynamicAny/NameDynAnyPair.html)[] **get\_members\_as\_dyn\_any**()

Returns a sequence of NameDynAnyPairs describing the name and the value of each member in the struct associated with a DynStruct object. The sequence contains members in the same order as the declaration order of members as indicated by the DynStruct's TypeCode. The current position is not affected. The member names in the returned sequence will be empty strings if the DynStruct's TypeCode does not contain member names.

**Specified by:**[get\_members\_as\_dyn\_any](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html#get_members_as_dyn_any()) in interface [DynStructOperations](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html)

### set\_members\_as\_dyn\_any

public void **set\_members\_as\_dyn\_any**([NameDynAnyPair](http://docs.google.com/org/omg/DynamicAny/NameDynAnyPair.html)[] value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Initializes the struct data value associated with a DynStruct object from a sequence of NameDynAnyPairs. The operation sets the current position to zero if the passed sequences has non-zero length. Otherwise, if an empty sequence is passed, the current position is set to -1.

Members must appear in the NameDynAnyPairs in the order in which they appear in the IDL specification of the struct as indicated by the DynStruct's TypeCode or they must be empty strings. The operation makes no attempt to assign member values based on member names.

**Specified by:**[set\_members\_as\_dyn\_any](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html#set_members_as_dyn_any(org.omg.DynamicAny.NameDynAnyPair%5B%5D)) in interface [DynStructOperations](http://docs.google.com/org/omg/DynamicAny/DynStructOperations.html) **Throws:** TypeMismatch - if the member names supplied in the passed sequence do not match the corresponding member name in the DynStruct's TypeCode and they are not empty strings InvalidValue - if the passed sequence has a number of elements that disagrees with the number of members as indicated by the DynStruct's TypeCode

### type

public [TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) **type**()

Returns the TypeCode associated with this DynAny object. A DynAny object is created with a TypeCode value assigned to it. This TypeCode value determines the type of the value handled through the DynAny object. Note that the TypeCode associated with a DynAny object is initialized at the time the DynAny is created and cannot be changed during lifetime of the DynAny object.

**Specified by:**[type](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#type()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Returns:**The TypeCode associated with this DynAny object

### assign

public void **assign**([DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) dyn\_any)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html)

Initializes the value associated with a DynAny object with the value associated with another DynAny object. The current position of the target DynAny is set to zero for values that have components and to -1 for values that do not have components.

**Specified by:**[assign](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#assign(org.omg.DynamicAny.DynAny)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Parameters:**dyn\_any - **Throws:** TypeMismatch - if the type of the passed DynAny is not equivalent to the type of target DynAny

### from\_any

public void **from\_any**([Any](http://docs.google.com/org/omg/CORBA/Any.html) value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Initializes the value associated with a DynAny object with the value contained in an any. The current position of the target DynAny is set to zero for values that have components and to -1 for values that do not have components.

**Specified by:**[from\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#from_any(org.omg.CORBA.Any)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the type of the passed Any is not equivalent to the type of target DynAny InvalidValue - if the passed Any does not contain a legal value (such as a null string)

### to\_any

public [Any](http://docs.google.com/org/omg/CORBA/Any.html) **to\_any**()

Creates an any value from a DynAny object. A copy of the TypeCode associated with the DynAny object is assigned to the resulting any. The value associated with the DynAny object is copied into the any.

**Specified by:**[to\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#to_any()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Returns:**a new Any object with the same value and TypeCode

### equal

public boolean **equal**([DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) dyn\_any)

Compares two DynAny values for equality. Two DynAny values are equal if their TypeCodes are equivalent and, recursively, all component DynAnys have equal values. The current position of the two DynAnys being compared has no effect on the result of equal.

**Specified by:**[equal](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#equal(org.omg.DynamicAny.DynAny)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Returns:**true of the DynAnys are equal, false otherwise

### destroy

public void **destroy**()

Destroys a DynAny object. This operation frees any resources used to represent the data value associated with a DynAny object. It must be invoked on references obtained from one of the creation operations on the ORB interface or on a reference returned by DynAny.copy() to avoid resource leaks. Invoking destroy on component DynAny objects (for example, on objects returned by the current\_component operation) does nothing. Destruction of a DynAny object implies destruction of all DynAny objects obtained from it. That is, references to components of a destroyed DynAny become invalid. Invocations on such references raise OBJECT\_NOT\_EXIST. It is possible to manipulate a component of a DynAny beyond the life time of the DynAny from which the component was obtained by making a copy of the component with the copy operation before destroying the DynAny from which the component was obtained.

**Specified by:**[destroy](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#destroy()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html)

### copy

public [DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) **copy**()

Creates a new DynAny object whose value is a deep copy of the DynAny on which it is invoked. The operation is polymorphic, that is, invoking it on one of the types derived from DynAny, such as DynStruct, creates the derived type but returns its reference as the DynAny base type.

**Specified by:**[copy](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#copy()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Returns:**a deep copy of the DynAny object

### insert\_boolean

public void **insert\_boolean**(boolean value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a boolean value into the DynAny.

**Specified by:**[insert\_boolean](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_boolean(boolean)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_octet

public void **insert\_octet**(byte value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a byte value into the DynAny. The IDL octet data type is mapped to the Java byte data type.

**Specified by:**[insert\_octet](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_octet(byte)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_char

public void **insert\_char**(char value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a char value into the DynAny.

**Specified by:**[insert\_char](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_char(char)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_short

public void **insert\_short**(short value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a short value into the DynAny.

**Specified by:**[insert\_short](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_short(short)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_ushort

public void **insert\_ushort**(short value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a short value into the DynAny. The IDL ushort data type is mapped to the Java short data type.

**Specified by:**[insert\_ushort](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_ushort(short)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_long

public void **insert\_long**(int value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts an integer value into the DynAny. The IDL long data type is mapped to the Java int data type.

**Specified by:**[insert\_long](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_long(int)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_ulong

public void **insert\_ulong**(int value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts an integer value into the DynAny. The IDL ulong data type is mapped to the Java int data type.

**Specified by:**[insert\_ulong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_ulong(int)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_float

public void **insert\_float**(float value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a float value into the DynAny.

**Specified by:**[insert\_float](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_float(float)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_double

public void **insert\_double**(double value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a double value into the DynAny.

**Specified by:**[insert\_double](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_double(double)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_string

public void **insert\_string**([String](http://docs.google.com/java/lang/String.html) value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a string value into the DynAny. Both bounded and unbounded strings are inserted using this method.

**Specified by:**[insert\_string](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_string(java.lang.String)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 InvalidValue - if the string inserted is longer than the bound of a bounded string TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_reference

public void **insert\_reference**([Object](http://docs.google.com/org/omg/CORBA/Object.html) value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a reference to a CORBA object into the DynAny.

**Specified by:**[insert\_reference](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_reference(org.omg.CORBA.Object)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_typecode

public void **insert\_typecode**([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a TypeCode object into the DynAny.

**Specified by:**[insert\_typecode](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_typecode(org.omg.CORBA.TypeCode)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_longlong

public void **insert\_longlong**(long value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a long value into the DynAny. The IDL long long data type is mapped to the Java long data type.

**Specified by:**[insert\_longlong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_longlong(long)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_ulonglong

public void **insert\_ulonglong**(long value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a long value into the DynAny. The IDL unsigned long long data type is mapped to the Java long data type.

**Specified by:**[insert\_ulonglong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_ulonglong(long)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_wchar

public void **insert\_wchar**(char value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a char value into the DynAny. The IDL wchar data type is mapped to the Java char data type.

**Specified by:**[insert\_wchar](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_wchar(char)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_wstring

public void **insert\_wstring**([String](http://docs.google.com/java/lang/String.html) value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a string value into the DynAny. Both bounded and unbounded strings are inserted using this method.

**Specified by:**[insert\_wstring](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_wstring(java.lang.String)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 InvalidValue - if the string inserted is longer than the bound of a bounded string [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html)

### insert\_any

public void **insert\_any**([Any](http://docs.google.com/org/omg/CORBA/Any.html) value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts an Any value into the Any represented by this DynAny.

**Specified by:**[insert\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_any(org.omg.CORBA.Any)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_dyn\_any

public void **insert\_dyn\_any**([DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts the Any value contained in the parameter DynAny into the Any represented by this DynAny.

**Specified by:**[insert\_dyn\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_dyn_any(org.omg.DynamicAny.DynAny)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### insert\_val

public void **insert\_val**([Serializable](http://docs.google.com/java/io/Serializable.html) value)  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Inserts a reference to a Serializable object into this DynAny. The IDL ValueBase type is mapped to the Java Serializable type.

**Specified by:**[insert\_val](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_val(java.io.Serializable)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** InvalidValue - if this DynAny has components but has a current position of -1 TypeMismatch - if called on a DynAny whose current component itself has components

### get\_boolean

public boolean **get\_boolean**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the boolean value from this DynAny.

**Specified by:**[get\_boolean](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_boolean()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_octet

public byte **get\_octet**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the byte value from this DynAny. The IDL octet data type is mapped to the Java byte data type.

**Specified by:**[get\_octet](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_octet()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_char

public char **get\_char**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the char value from this DynAny.

**Specified by:**[get\_char](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_char()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_short

public short **get\_short**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the short value from this DynAny.

**Specified by:**[get\_short](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_short()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_ushort

public short **get\_ushort**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the short value from this DynAny. The IDL ushort data type is mapped to the Java short data type.

**Specified by:**[get\_ushort](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_ushort()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_long

public int **get\_long**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the integer value from this DynAny. The IDL long data type is mapped to the Java int data type.

**Specified by:**[get\_long](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_long()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_ulong

public int **get\_ulong**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the integer value from this DynAny. The IDL ulong data type is mapped to the Java int data type.

**Specified by:**[get\_ulong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_ulong()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_float

public float **get\_float**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the float value from this DynAny.

**Specified by:**[get\_float](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_float()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_double

public double **get\_double**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the double value from this DynAny.

**Specified by:**[get\_double](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_double()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_string

public [String](http://docs.google.com/java/lang/String.html) **get\_string**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the string value from this DynAny. Both bounded and unbounded strings are extracted using this method.

**Specified by:**[get\_string](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_string()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_reference

public [Object](http://docs.google.com/org/omg/CORBA/Object.html) **get\_reference**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the reference to a CORBA Object from this DynAny.

**Specified by:**[get\_reference](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_reference()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_typecode

public [TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) **get\_typecode**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the TypeCode object from this DynAny.

**Specified by:**[get\_typecode](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_typecode()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_longlong

public long **get\_longlong**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the long value from this DynAny. The IDL long long data type is mapped to the Java long data type.

**Specified by:**[get\_longlong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_longlong()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_ulonglong

public long **get\_ulonglong**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the long value from this DynAny. The IDL unsigned long long data type is mapped to the Java long data type.

**Specified by:**[get\_ulonglong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_ulonglong()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_wchar

public char **get\_wchar**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the long value from this DynAny. The IDL wchar data type is mapped to the Java char data type.

**Specified by:**[get\_wchar](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_wchar()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_wstring

public [String](http://docs.google.com/java/lang/String.html) **get\_wstring**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the string value from this DynAny. Both bounded and unbounded strings are extracted using this method.

**Specified by:**[get\_wstring](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_wstring()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

### get\_any

public [Any](http://docs.google.com/org/omg/CORBA/Any.html) **get\_any**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts an Any value contained in the Any represented by this DynAny.

**Specified by:**[get\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_any()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_dyn\_any

public [DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) **get\_dyn\_any**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts the Any value contained in the Any represented by this DynAny and returns it wrapped into a new DynAny.

**Specified by:**[get\_dyn\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_dyn_any()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### get\_val

public [Serializable](http://docs.google.com/java/io/Serializable.html) **get\_val**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html),  
 [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Extracts a Serializable object from this DynAny. The IDL ValueBase type is mapped to the Java Serializable type.

**Specified by:**[get\_val](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_val()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - if the accessed component in the DynAny is of a type that is not equivalent to the requested type. TypeMismatch - if called on a DynAny whose current component itself has components InvalidValue - if this DynAny has components but has a current position of -1

### seek

public boolean **seek**(int index)

Sets the current position to index. The current position is indexed 0 to n-1, that is, index zero corresponds to the first component. The operation returns true if the resulting current position indicates a component of the DynAny and false if index indicates a position that does not correspond to a component. Calling seek with a negative index is legal. It sets the current position to -1 to indicate no component and returns false. Passing a non-negative index value for a DynAny that does not have a component at the corresponding position sets the current position to -1 and returns false.

**Specified by:**[seek](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#seek(int)) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html)

### rewind

public void **rewind**()

Is equivalent to seek(0).

**Specified by:**[rewind](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#rewind()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html)

### next

public boolean **next**()

Advances the current position to the next component. The operation returns true while the resulting current position indicates a component, false otherwise. A false return value leaves the current position at -1. Invoking next on a DynAny without components leaves the current position at -1 and returns false.

**Specified by:**[next](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#next()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html)

### component\_count

public int **component\_count**()

Returns the number of components of a DynAny. For a DynAny without components, it returns zero. The operation only counts the components at the top level. For example, if component\_count is invoked on a DynStruct with a single member, the return value is 1, irrespective of the type of the member.

* For sequences, the operation returns the current number of elements.
* For structures, exceptions, and value types, the operation returns the number of members.
* For arrays, the operation returns the number of elements.
* For unions, the operation returns 2 if the discriminator indicates that a named member is active, otherwise, it returns 1.
* For DynFixed and DynEnum, the operation returns zero.

**Specified by:**[component\_count](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#component_count()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html)

### current\_component

public [DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html) **current\_component**()  
 throws [TypeMismatch](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/TypeMismatch.html)

Returns the DynAny for the component at the current position. It does not advance the current position, so repeated calls to current\_component without an intervening call to rewind, next, or seek return the same component. The returned DynAny object reference can be used to get/set the value of the current component. If the current component represents a complex type, the returned reference can be narrowed based on the TypeCode to get the interface corresponding to the to the complex type. Calling current\_component on a DynAny that cannot have components, such as a DynEnum or an empty exception, raises TypeMismatch. Calling current\_component on a DynAny whose current position is -1 returns a nil reference. The iteration operations, together with current\_component, can be used to dynamically compose an any value. After creating a dynamic any, such as a DynStruct, current\_component and next can be used to initialize all the components of the value. Once the dynamic value is completely initialized, to\_any creates the corresponding any value.

**Specified by:**[current\_component](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#current_component()) in interface [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **Throws:** TypeMismatch - If called on a DynAny that cannot have components, such as a DynEnum or an empty exception

### \_ids

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

**Description copied from class:** [**ObjectImpl**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_ids()) Retrieves a string array containing the repository identifiers supported by this ObjectImpl object. For example, for a stub, this method returns information about all the interfaces supported by the stub.

**Specified by:**[\_ids](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_ids()) in class [ObjectImpl](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html) **Returns:**the array of all repository identifiers supported by this ObjectImpl 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/_DynStructStub.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/DynamicAny/_DynSequenceStub.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/DynamicAny/_DynUnionStub.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/DynamicAny/_DynStructStub.html)    [**NO FRAMES**](http://docs.google.com/_DynStructStub.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

[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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