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

## **org.omg.DynamicAny**

Interface DynSequenceOperations

**All Superinterfaces:** [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) **All Known Subinterfaces:** [DynSequence](http://docs.google.com/org/omg/DynamicAny/DynSequence.html) **All Known Implementing Classes:** [\_DynSequenceStub](http://docs.google.com/org/omg/DynamicAny/_DynSequenceStub.html)

public interface **DynSequenceOperations**extends [DynAnyOperations](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html)

DynSequence objects support the manipulation of IDL sequences.

| **Method Summary** | |
| --- | --- |
| [DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html)[] | [**get\_elements\_as\_dyn\_any**](http://docs.google.com/org/omg/DynamicAny/DynSequenceOperations.html#get_elements_as_dyn_any())()            Returns the DynAnys representing the elements of the sequence. |
| [Any](http://docs.google.com/org/omg/CORBA/Any.html)[] | [**get\_elements**](http://docs.google.com/org/omg/DynamicAny/DynSequenceOperations.html#get_elements())()            Returns the elements of the sequence. |
| int | [**get\_length**](http://docs.google.com/org/omg/DynamicAny/DynSequenceOperations.html#get_length())()            Returns the current length of the sequence. |
| void | [**set\_elements\_as\_dyn\_any**](http://docs.google.com/org/omg/DynamicAny/DynSequenceOperations.html#set_elements_as_dyn_any(org.omg.DynamicAny.DynAny%5B%5D))([DynAny](http://docs.google.com/org/omg/DynamicAny/DynAny.html)[] value)            Sets the elements of a sequence using DynAnys. |
| void | [**set\_elements**](http://docs.google.com/org/omg/DynamicAny/DynSequenceOperations.html#set_elements(org.omg.CORBA.Any%5B%5D))([Any](http://docs.google.com/org/omg/CORBA/Any.html)[] value)            Sets the elements of a sequence. |
| void | [**set\_length**](http://docs.google.com/org/omg/DynamicAny/DynSequenceOperations.html#set_length(int))(int len)            Sets the length of the sequence. |

| **Methods inherited from interface org.omg.DynamicAny.**[**DynAnyOperations**](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html) |
| --- |
| [assign](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#assign(org.omg.DynamicAny.DynAny)), [component\_count](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#component_count()), [copy](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#copy()), [current\_component](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#current_component()), [destroy](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#destroy()), [equal](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#equal(org.omg.DynamicAny.DynAny)), [from\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#from_any(org.omg.CORBA.Any)), [get\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_any()), [get\_boolean](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_boolean()), [get\_char](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_char()), [get\_double](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_double()), [get\_dyn\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_dyn_any()), [get\_float](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_float()), [get\_long](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_long()), [get\_longlong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_longlong()), [get\_octet](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_octet()), [get\_reference](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_reference()), [get\_short](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_short()), [get\_string](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_string()), [get\_typecode](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_typecode()), [get\_ulong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_ulong()), [get\_ulonglong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_ulonglong()), [get\_ushort](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_ushort()), [get\_val](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_val()), [get\_wchar](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_wchar()), [get\_wstring](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#get_wstring()), [insert\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_any(org.omg.CORBA.Any)), [insert\_boolean](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_boolean(boolean)), [insert\_char](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_char(char)), [insert\_double](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_double(double)), [insert\_dyn\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_dyn_any(org.omg.DynamicAny.DynAny)), [insert\_float](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_float(float)), [insert\_long](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_long(int)), [insert\_longlong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_longlong(long)), [insert\_octet](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_octet(byte)), [insert\_reference](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_reference(org.omg.CORBA.Object)), [insert\_short](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_short(short)), [insert\_string](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_string(java.lang.String)), [insert\_typecode](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_typecode(org.omg.CORBA.TypeCode)), [insert\_ulong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_ulong(int)), [insert\_ulonglong](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_ulonglong(long)), [insert\_ushort](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_ushort(short)), [insert\_val](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_val(java.io.Serializable)), [insert\_wchar](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_wchar(char)), [insert\_wstring](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#insert_wstring(java.lang.String)), [next](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#next()), [rewind](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#rewind()), [seek](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#seek(int)), [to\_any](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#to_any()), [type](http://docs.google.com/org/omg/DynamicAny/DynAnyOperations.html#type()) |

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

### get\_length

int **get\_length**()

Returns the current length of the sequence.

### set\_length

void **set\_length**(int len)  
 throws [InvalidValue](http://docs.google.com/org/omg/DynamicAny/DynAnyPackage/InvalidValue.html)

Sets the length of the sequence. Increasing the length of a sequence adds new elements at the tail without affecting the values of already existing elements. Newly added elements are default-initialized. Increasing the length of a sequence sets the current position to the first newly-added element if the previous current position was -1. Otherwise, if the previous current position was not -1, the current position is not affected. Decreasing the length of a sequence removes elements from the tail without affecting the value of those elements that remain. The new current position after decreasing the length of a sequence is determined as follows:

* If the length of the sequence is set to zero, the current position is set to -1.
* If the current position is -1 before decreasing the length, it remains at -1.
* If the current position indicates a valid element and that element is not removed when the length is decreased, the current position remains unaffected.
* If the current position indicates a valid element and that element is removed, the current position is set to -1.

**Throws:** InvalidValue - if this is a bounded sequence and len is larger than the bound

### get\_elements

[Any](http://docs.google.com/org/omg/CORBA/Any.html)[] **get\_elements**()

Returns the elements of the sequence.

### set\_elements

void **set\_elements**([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)

Sets the elements of a sequence. The length of the DynSequence is set to the length of value. The current position is set to zero if value has non-zero length and to -1 if value is a zero-length sequence.

**Throws:** TypeMismatch - if value contains one or more elements whose TypeCode is not equivalent to the element TypeCode of the DynSequence InvalidValue - if the length of value exceeds the bound of a bounded sequence

### get\_elements\_as\_dyn\_any

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

Returns the DynAnys representing the elements of the sequence.

### set\_elements\_as\_dyn\_any

void **set\_elements\_as\_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)

Sets the elements of a sequence using DynAnys. The length of the DynSequence is set to the length of value. The current position is set to zero if value has non-zero length and to -1 if value is a zero-length sequence.

**Throws:** TypeMismatch - if value contains one or more elements whose TypeCode is not equivalent to the element TypeCode of the DynSequence InvalidValue - if the length of value exceeds the bound of a bounded sequence

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

[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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