| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NamingContextOperations.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/CosNaming/NamingContextHolder.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CosNaming/NamingContextPOA.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CosNaming/NamingContextOperations.html)    [**NO FRAMES**](http://docs.google.com/NamingContextOperations.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **org.omg.CosNaming**

Interface NamingContextOperations

**All Known Subinterfaces:** [NamingContext](http://docs.google.com/org/omg/CosNaming/NamingContext.html), [NamingContextExt](http://docs.google.com/org/omg/CosNaming/NamingContextExt.html), [NamingContextExtOperations](http://docs.google.com/org/omg/CosNaming/NamingContextExtOperations.html) **All Known Implementing Classes:** [\_NamingContextExtStub](http://docs.google.com/org/omg/CosNaming/_NamingContextExtStub.html), [\_NamingContextImplBase](http://docs.google.com/org/omg/CosNaming/_NamingContextImplBase.html), [\_NamingContextStub](http://docs.google.com/org/omg/CosNaming/_NamingContextStub.html), [NamingContextExtPOA](http://docs.google.com/org/omg/CosNaming/NamingContextExtPOA.html), [NamingContextPOA](http://docs.google.com/org/omg/CosNaming/NamingContextPOA.html)

public interface **NamingContextOperations**

A naming context is an object that contains a set of name bindings in which each name is unique. Different names can be bound to an object in the same or different contexts at the same time.

See  [CORBA COS Naming Specification.](http://www.omg.org/technology/documents/formal/naming_service.htm)

| **Method Summary** | |
| --- | --- |
| void | [**bind\_context**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#bind_context(org.omg.CosNaming.NameComponent%5B%5D,%20org.omg.CosNaming.NamingContext))([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n, [NamingContext](http://docs.google.com/org/omg/CosNaming/NamingContext.html) nc)            Names an object that is a naming context. |
| [NamingContext](http://docs.google.com/org/omg/CosNaming/NamingContext.html) | [**bind\_new\_context**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#bind_new_context(org.omg.CosNaming.NameComponent%5B%5D))([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n)            This operation creates a new context and binds it to the name supplied as an argument. |
| void | [**bind**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#bind(org.omg.CosNaming.NameComponent%5B%5D,%20org.omg.CORBA.Object))([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n, [Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)            Creates a binding of a name and an object in the naming context. |
| void | [**destroy**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#destroy())()            The destroy operation deletes a naming context. |
| void | [**list**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#list(int,%20org.omg.CosNaming.BindingListHolder,%20org.omg.CosNaming.BindingIteratorHolder))(int how\_many, [BindingListHolder](http://docs.google.com/org/omg/CosNaming/BindingListHolder.html) bl, [BindingIteratorHolder](http://docs.google.com/org/omg/CosNaming/BindingIteratorHolder.html) bi)            The list operation allows a client to iterate through a set of bindings in a naming context. |
| [NamingContext](http://docs.google.com/org/omg/CosNaming/NamingContext.html) | [**new\_context**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#new_context())()            This operation returns a naming context implemented by the same naming server as the context on which the operation was invoked. |
| void | [**rebind\_context**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#rebind_context(org.omg.CosNaming.NameComponent%5B%5D,%20org.omg.CosNaming.NamingContext))([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n, [NamingContext](http://docs.google.com/org/omg/CosNaming/NamingContext.html) nc)            Creates a binding of a name and a naming context in the naming context even if the name is already bound in the context. |
| void | [**rebind**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#rebind(org.omg.CosNaming.NameComponent%5B%5D,%20org.omg.CORBA.Object))([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n, [Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)            Creates a binding of a name and an object in the naming context even if the name is already bound in the context. |
| [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**resolve**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#resolve(org.omg.CosNaming.NameComponent%5B%5D))([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n)            The resolve operation is the process of retrieving an object bound to a name in a given context. |
| void | [**unbind**](http://docs.google.com/org/omg/CosNaming/NamingContextOperations.html#unbind(org.omg.CosNaming.NameComponent%5B%5D))([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n)            The unbind operation removes a name binding from a context. |

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

### bind

void **bind**([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n,  
 [Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)  
 throws [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html),  
 [CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html),  
 [InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html),  
 [AlreadyBound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/AlreadyBound.html)

Creates a binding of a name and an object in the naming context. Naming contexts that are bound using bind do not participate in name resolution when compound names are passed to be resolved.

**Parameters:**n - Name of the object

obj - The Object to bind with the given name

**Throws:** [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html) - Indicates the name does not identify a binding.

[CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html) - Indicates that the implementation has given up for some reason. The client, however, may be able to continue the operation at the returned naming context.

[InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html) - Indicates that the name is invalid.

[AlreadyBound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/AlreadyBound.html) - Indicates an object is already bound to the specified name.

### bind\_context

void **bind\_context**([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n,  
 [NamingContext](http://docs.google.com/org/omg/CosNaming/NamingContext.html) nc)  
 throws [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html),  
 [CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html),  
 [InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html),  
 [AlreadyBound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/AlreadyBound.html)

Names an object that is a naming context. Naming contexts that are bound using bind\_context() participate in name resolution when compound names are passed to be resolved.

**Parameters:**n - Name of the object

nc - NamingContect object to bind with the given name

**Throws:** [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html) - Indicates the name does not identify a binding.

[CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html) - Indicates that the implementation has given up for some reason. The client, however, may be able to continue the operation at the returned naming context.

[InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html) - Indicates that the name is invalid.

[AlreadyBound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/AlreadyBound.html) - Indicates an object is already bound to the specified name.

### rebind

void **rebind**([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n,  
 [Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)  
 throws [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html),  
 [CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html),  
 [InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html)

Creates a binding of a name and an object in the naming context even if the name is already bound in the context. Naming contexts that are bound using rebind do not participate in name resolution when compound names are passed to be resolved.

**Parameters:**n - Name of the object

**Throws:** [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html) - Indicates the name does not identify a binding.

[CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html) - Indicates that the implementation has given up for some reason. The client, however, may be able to continue the operation at the returned naming context.

[InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html) - Indicates that the name is invalid.

### rebind\_context

void **rebind\_context**([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n,  
 [NamingContext](http://docs.google.com/org/omg/CosNaming/NamingContext.html) nc)  
 throws [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html),  
 [CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html),  
 [InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html)

Creates a binding of a name and a naming context in the naming context even if the name is already bound in the context. Naming contexts that are bound using rebind\_context() participate in name resolution when compound names are passed to be resolved.

**Parameters:**n - Name of the object

nc - NamingContect object to rebind with the given name

**Throws:** [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html) - Indicates the name does not identify a binding.

[CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html) - Indicates that the implementation has given up for some reason. The client, however, may be able to continue the operation at the returned naming context.

[InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html) - Indicates that the name is invalid.

### resolve

[Object](http://docs.google.com/org/omg/CORBA/Object.html) **resolve**([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n)  
 throws [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html),  
 [CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html),  
 [InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html)

The resolve operation is the process of retrieving an object bound to a name in a given context. The given name must exactly match the bound name. The naming service does not return the type of the object. Clients are responsible for "narrowing" the object to the appropriate type. That is, clients typically cast the returned object from Object to a more specialized interface.

**Parameters:**n - Name of the object

**Throws:** [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html) - Indicates the name does not identify a binding.

[CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html) - Indicates that the implementation has given up for some reason. The client, however, may be able to continue the operation at the returned naming context.

[InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html) - Indicates that the name is invalid.

### unbind

void **unbind**([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n)  
 throws [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html),  
 [CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html),  
 [InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html)

The unbind operation removes a name binding from a context.

**Parameters:**n - Name of the object

**Throws:** [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html) - Indicates the name does not identify a binding.

[CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html) - Indicates that the implementation has given up for some reason. The client, however, may be able to continue the operation at the returned naming context.

[InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html) - Indicates that the name is invalid.

### list

void **list**(int how\_many,  
 [BindingListHolder](http://docs.google.com/org/omg/CosNaming/BindingListHolder.html) bl,  
 [BindingIteratorHolder](http://docs.google.com/org/omg/CosNaming/BindingIteratorHolder.html) bi)

The list operation allows a client to iterate through a set of bindings in a naming context.

The list operation returns at most the requested number of bindings in BindingList bl.

* If the naming context contains additional bindings, the list operation returns a BindingIterator with the additional bindings.
* If the naming context does not contain additional bindings, the binding iterator is a nil object reference.

**Parameters:**how\_many - the maximum number of bindings to return

bl - the returned list of bindings

bi - the returned binding iterator

### new\_context

[NamingContext](http://docs.google.com/org/omg/CosNaming/NamingContext.html) **new\_context**()

This operation returns a naming context implemented by the same naming server as the context on which the operation was invoked. The new context is not bound to any name.

### bind\_new\_context

[NamingContext](http://docs.google.com/org/omg/CosNaming/NamingContext.html) **bind\_new\_context**([NameComponent](http://docs.google.com/org/omg/CosNaming/NameComponent.html)[] n)  
 throws [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html),  
 [AlreadyBound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/AlreadyBound.html),  
 [CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html),  
 [InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html)

This operation creates a new context and binds it to the name supplied as an argument. The newly-created context is implemented by the same naming server as the context in which it was bound (that is, the naming server that implements the context denoted by the name argument excluding the last component).

**Parameters:**n - Name of the object

**Throws:** [NotFound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html) - Indicates the name does not identify a binding.

[AlreadyBound](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/AlreadyBound.html) - Indicates an object is already bound to the specified name.

[CannotProceed](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html) - Indicates that the implementation has given up for some reason. The client, however, may be able to continue the operation at the returned naming context.

[InvalidName](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidName.html) - Indicates that the name is invalid.

### destroy

void **destroy**()  
 throws [NotEmpty](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotEmpty.html)

The destroy operation deletes a naming context. If the naming context contains bindings, the NotEmpty exception is raised.

**Throws:** [NotEmpty](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotEmpty.html) - Indicates that the Naming Context contains bindings.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NamingContextOperations.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/CosNaming/NamingContextHolder.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CosNaming/NamingContextPOA.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CosNaming/NamingContextOperations.html)    [**NO FRAMES**](http://docs.google.com/NamingContextOperations.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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