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

## **java.rmi**

Class Naming

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.rmi.Naming**

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

The Naming class provides methods for storing and obtaining references to remote objects in a remote object registry. Each method of the Naming class takes as one of its arguments a name that is a java.lang.String in URL format (without the scheme component) of the form:

//host:port/name

where host is the host (remote or local) where the registry is located, port is the port number on which the registry accepts calls, and where name is a simple string uninterpreted by the registry. Both host and port are optional. If host is omitted, the host defaults to the local host. If port is omitted, then the port defaults to 1099, the "well-known" port that RMI's registry, rmiregistry, uses.

*Binding* a name for a remote object is associating or registering a name for a remote object that can be used at a later time to look up that remote object. A remote object can be associated with a name using the Naming class's bind or rebind methods.

Once a remote object is registered (bound) with the RMI registry on the local host, callers on a remote (or local) host can lookup the remote object by name, obtain its reference, and then invoke remote methods on the object. A registry may be shared by all servers running on a host or an individual server process may create and use its own registry if desired (see java.rmi.registry.LocateRegistry.createRegistry method for details).

**Since:** JDK1.1 **See Also:**[Registry](http://docs.google.com/java/rmi/registry/Registry.html), [LocateRegistry](http://docs.google.com/java/rmi/registry/LocateRegistry.html), [LocateRegistry.createRegistry(int)](http://docs.google.com/java/rmi/registry/LocateRegistry.html#createRegistry(int))

| **Method Summary** | |
| --- | --- |
| static void | [**bind**](http://docs.google.com/java/rmi/Naming.html#bind(java.lang.String,%20java.rmi.Remote))([String](http://docs.google.com/java/lang/String.html) name, [Remote](http://docs.google.com/java/rmi/Remote.html) obj)            Binds the specified name to a remote object. |
| static [String](http://docs.google.com/java/lang/String.html)[] | [**list**](http://docs.google.com/java/rmi/Naming.html#list(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns an array of the names bound in the registry. |
| static [Remote](http://docs.google.com/java/rmi/Remote.html) | [**lookup**](http://docs.google.com/java/rmi/Naming.html#lookup(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns a reference, a stub, for the remote object associated with the specified name. |
| static void | [**rebind**](http://docs.google.com/java/rmi/Naming.html#rebind(java.lang.String,%20java.rmi.Remote))([String](http://docs.google.com/java/lang/String.html) name, [Remote](http://docs.google.com/java/rmi/Remote.html) obj)            Rebinds the specified name to a new remote object. |
| static void | [**unbind**](http://docs.google.com/java/rmi/Naming.html#unbind(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Destroys the binding for the specified name that is associated with a remote object. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

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

### lookup

public static [Remote](http://docs.google.com/java/rmi/Remote.html) **lookup**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [NotBoundException](http://docs.google.com/java/rmi/NotBoundException.html),  
 [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html),  
 [RemoteException](http://docs.google.com/java/rmi/RemoteException.html)

Returns a reference, a stub, for the remote object associated with the specified name.

**Parameters:**name - a name in URL format (without the scheme component) **Returns:**a reference for a remote object **Throws:** [NotBoundException](http://docs.google.com/java/rmi/NotBoundException.html) - if name is not currently bound [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) - if registry could not be contacted [AccessException](http://docs.google.com/java/rmi/AccessException.html) - if this operation is not permitted [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html) - if the name is not an appropriately formatted URL**Since:** JDK1.1

### bind

public static void **bind**([String](http://docs.google.com/java/lang/String.html) name,  
 [Remote](http://docs.google.com/java/rmi/Remote.html) obj)  
 throws [AlreadyBoundException](http://docs.google.com/java/rmi/AlreadyBoundException.html),  
 [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html),  
 [RemoteException](http://docs.google.com/java/rmi/RemoteException.html)

Binds the specified name to a remote object.

**Parameters:**name - a name in URL format (without the scheme component)obj - a reference for the remote object (usually a stub) **Throws:** [AlreadyBoundException](http://docs.google.com/java/rmi/AlreadyBoundException.html) - if name is already bound [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html) - if the name is not an appropriately formatted URL [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) - if registry could not be contacted [AccessException](http://docs.google.com/java/rmi/AccessException.html) - if this operation is not permitted (if originating from a non-local host, for example)**Since:** JDK1.1

### unbind

public static void **unbind**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [RemoteException](http://docs.google.com/java/rmi/RemoteException.html),  
 [NotBoundException](http://docs.google.com/java/rmi/NotBoundException.html),  
 [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html)

Destroys the binding for the specified name that is associated with a remote object.

**Parameters:**name - a name in URL format (without the scheme component) **Throws:** [NotBoundException](http://docs.google.com/java/rmi/NotBoundException.html) - if name is not currently bound [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html) - if the name is not an appropriately formatted URL [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) - if registry could not be contacted [AccessException](http://docs.google.com/java/rmi/AccessException.html) - if this operation is not permitted (if originating from a non-local host, for example)**Since:** JDK1.1

### rebind

public static void **rebind**([String](http://docs.google.com/java/lang/String.html) name,  
 [Remote](http://docs.google.com/java/rmi/Remote.html) obj)  
 throws [RemoteException](http://docs.google.com/java/rmi/RemoteException.html),  
 [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html)

Rebinds the specified name to a new remote object. Any existing binding for the name is replaced.

**Parameters:**name - a name in URL format (without the scheme component)obj - new remote object to associate with the name **Throws:** [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html) - if the name is not an appropriately formatted URL [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) - if registry could not be contacted [AccessException](http://docs.google.com/java/rmi/AccessException.html) - if this operation is not permitted (if originating from a non-local host, for example)**Since:** JDK1.1

### list

public static [String](http://docs.google.com/java/lang/String.html)[] **list**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [RemoteException](http://docs.google.com/java/rmi/RemoteException.html),  
 [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html)

Returns an array of the names bound in the registry. The names are URL-formatted (without the scheme component) strings. The array contains a snapshot of the names present in the registry at the time of the call.

**Parameters:**name - a registry name in URL format (without the scheme component) **Returns:**an array of names (in the appropriate format) bound in the registry **Throws:** [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html) - if the name is not an appropriately formatted URL [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) - if registry could not be contacted.**Since:** JDK1.1

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Naming.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/java/rmi/MarshalledObject.html)   [**NEXT CLASS**](http://docs.google.com/java/rmi/NoSuchObjectException.html) | [**FRAMES**](http://docs.google.com/index.html?java/rmi/Naming.html)    [**NO FRAMES**](http://docs.google.com/Naming.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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