NSMessagePortNameServer Class Reference

Cocoa > Interapplication Communication

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NSMessagePortNameServer Class Reference

Inherits from	NSPortNameServer : NSObject
Conforms to	NSObject (NSObject)
Framework	/System/Library/Frameworks/Foundation.framework
Availability	Available in Mac OS X v10.0 and later.
Companion guide	Distributed Objects Programming Topics
Declared in	NSPortNameServer.h

Overview

This port name server takes and returns instances of `NSMessagePort`. Port removal functionality is not supported in `NSMessagePortNameServer`; if you want to cancel a service, you have to destroy the port (invalidate the `NSMessagePort` object given to `registerPort:name:`).

Tasks

Getting the Server Object

`+ sharedInstance` (page 6)
Returns the singleton instance of `NSMessagePortNameServer`.

Getting Ports By Name

`- portForName:` (page 6)
Returns the `NSPort` object registered under a given name on the local host.

`- portForName:host:` (page 6)
Returns the `NSPort` object registered under a given name on the local host.

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Class Methods

sharedInstance

Returns the singleton instance of `NSMessagePortNameServer`.

```
+ (id)sharedInstance
```

Return Value
The singleton instance of `NSMessagePortNameServer` with which you register and look up `NSMessagePort` objects.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSPortNameServer.h`

Instance Methods

portForName:

Returns the `NSPort` object registered under a given name on the local host.

```
- (NSPort *)portForName:(NSString *)portName
```

Parameters

portName
The port name.

Return Value
The NSPort registered under *portName* on the local host Returns `nil` if a port named *portName* does not exist.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- portForName:host:` (page 6)

Declared In
`NSPortNameServer.h`

portForName:host:

Returns the `NSPort` object registered under a given name on the local host.

```
- (NSPort *)portForName:(NSString *)portName host:(NSString *)hostName
```


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Parameters

portName

The port name.

hostName

The host name. Because `NSMessagePortNameServer` is a local-only server, *hostName* must be the empty string or `nil`.

Return Value

The `NSPort` object registered under a given name on the local host. Returns `nil` if a port named *portName* does not exist.

Availability

Available in Mac OS X v10.0 and later.

Declared In

`NSPortNameServer.h`

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Document Revision History

This table describes the changes to *NSMessagePortNameServer Class Reference*.

Date	Notes
2007-02-23	Revised task headings.
2006-05-23	First publication of this content as a separate document.

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P

`portForName:` instance method 6
`portForName:host:` instance method 6

S

`sharedInstance` class method 6

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