
NSMachBootstrapServer Class Reference

[Cocoa](#) > [Interapplication Communication](#)





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NSMachBootstrapServer 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 `NSMachPort`.

Port removal functionality is not supported in `NSMachBootstrapServer`; if you want to cancel a service, you have to destroy the port (invalidate the `NSMachPort` given to `registerPort:name:` (page 7)).

Tasks

Getting the Server Object

- + `sharedInstance` (page 6)
Returns the shared instance of the bootstrap server.

Looking Up Ports

- `portForName:` (page 6)
Looks up and returns the port registered under the specified name on the local host.
- `portForName:host:` (page 7)
Looks up and returns the port registered under the specified name.
- `servicePortWithName:` (page 7)
Looks up and returns the port for the vended service that is registered under the specified name.

Registering Ports

- [registerPort:name:](#) (page 7)
Registers a port with a specified name.

Class Methods

sharedInstance

Returns the shared instance of the bootstrap server.

+ (id)sharedInstance

Return Value

The shared instance of `NSMachBootstrapServer` with which you register and look up `NSMachPort` objects.

Availability

Available in Mac OS X v10.0 and later.

Declared In

`NSPortNameServer.h`

Instance Methods

portForName:

Looks up and returns the port registered under the specified name on the local host.

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

Parameters

portName

The name of the desired port.

Return Value

The port associated with *portName* on the local host. Returns `nil` if no such port exists.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [portForName:host:](#) (page 7)

Declared In

`NSPortNameServer.h`

portForName:host:

Looks up and returns the port registered under the specified name.

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

Parameters

portName

The name of the desired port.

hostName

Because NSMachBootstrapServer is a local-only server; *hostName* must be the empty string or `nil`.

Return Value

The port associated with *portName* on the local host. Returns `nil` if no such port exists.

Availability

Available in Mac OS X v10.0 and later.

Declared In

NSPortNameServer.h

registerPort:name:

Registers a port with a specified name.

```
- (BOOL)registerPort:(NSPort *)port name:(NSString *)portName
```

Parameters

port

The port object to register with the bootstrap server.

portName

The name to associate with *port*.

Return Value

YES if the registration succeeded, NO otherwise.

Special Considerations

Once registered, a port cannot be unregistered; instead, you need to invalidate the port.

Availability

Available in Mac OS X v10.0 and later.

Declared In

NSPortNameServer.h

servicePortWithName:

Looks up and returns the port for the vended service that is registered under the specified name.

```
- (NSPort *)servicePortWithName:(NSString *)name
```

Parameters

name

The name of the vended service.

Return Value

The port associated with *name*. Returns `nil` if no such port exists.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`NSPortNameServer.h`

Document Revision History

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

Date	Notes
2007-01-22	Updated for Mac OS X v10.5.
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

Document Revision History

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