
IMKServer Class Reference

[Cocoa > Internationalization](#)



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IMKServer Class Reference

Inherits from	NSObject
Conforms to	IMKServerProxy NSObject (NSObject)
Framework	System/Library/Frameworks/InputMethodKit.framework
Availability	Available in Mac OS X v10.5 and later.
Declared in	IMKServer.h
Related sample code	NumberInput_IMKit_Sample

Overview

The `IMKServer` class manages client connections to your input method. When you write the main function for your input method, you create an `IMKServer` object. You should never need to override this class.

Tasks

Initializing a Server Object

- [initWithName:bundleIdentifier:](#) (page 8)
Creates and returns a server object from property list information contained in the provided bundle.
- [initWithName:controllerClass:delegateClass:](#) (page 9)
Creates and returns a server object initialized with the provided parameters.

Getting a Bundle for the Input Method

- [bundle](#) (page 8)
Returns an `NSBundle` object for the input method.

Instance Methods

bundle

Returns an `NSBundle` object for the input method.

```
- (NSBundle*)bundle
```

Return Value

An `NSBundle` object that is either created from the bundle identifier contained in the server object, or from the main bundle. The returned object is an autoreleased object.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`IMKServer.h`

initWithName:bundleIdentifier:

Creates and returns a server object from property list information contained in the provided bundle.

```
- (id)initWithName:(NSString*)name bundleIdentifier:(NSString*)bundleIdentifier
```

Parameters

name

The name to initialize the server object with.

bundleIdentifier

The bundle identifier.

Return Value

An initialized server object.

Discussion

This method examines the `Info.plist` file for the entries shown in Table 1. The class names are loaded, but no classes are instantiated. Additionally, an `NSConnection` object is allocated and registered using the input method connection name supplied in the `Info.plist` file.

Table 1 Required entries in the `Info.plist` file

Key	Value
<code>LSBackgroundOnly</code>	The associated value is 1, because input methods are background-only applications.
<code>InputMethodConnectionName</code>	A string that specifies an input method connection name that names the connection through which your input method services are published. The Input Method Kit uses this name to create an <code>NSConnection</code> object through which clients deliver text input.
<code>InputMethodServer-ControllerClass</code>	An input controller class.

Key	Value
<code>tsInputMethodIconFileKey</code>	An icon file name. The icon is used to display your input method in the International pane of System Preferences.
<code>tsInputMethod-CharacterRepertoireKey</code>	An array of one or more ISO language codes that specify the character repertoire of your input method. The codes help categorize your input method to the user.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`IMKServer.h`

`initWithName:controllerClass:delegateClass:`

Creates and returns a server object initialized with the provided parameters.

```
- (id)initWithName:(NSString*)name controllerClass:(Class)controllerClassID
  delegateClass:(Class)delegateClassID
```

Parameters

name

The name to initialize the server object with.

controllerClassID

The id for the input controller class.

delegateClassID

The id for the delegate class.

Return Value

An initialized server object.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`IMKServer.h`

Constants

IMKModeDictionary

The input method mode dictionary key.

```
extern const NSString* IMKModeDictionary;
```

Constants

IMKModeDictionary

The key used to obtain an input method mode dictionary from the input method bundle.

Available in Mac OS X v10.5 and later.

Declared in `IMKServer.h`.

Discussion

For details on the contents of the input mode dictionary, see *Technical Note TN2128 Frequently Asked Text Services Manager (TSM) Questions* located in [Technical Notes > Carbon > Events & Other Input](#).

Declared In

`IMKServer.h`

IMKControllerClass

The input method controller class key.

```
extern const NSString* IMKControllerClass;
```

Constants

IMKControllerClass

The key used to find an input method input controller class name from the input method bundle.

Available in Mac OS X v10.5 and later.

Declared in `IMKServer.h`.

Declared In

`IMKServer.h`

IMKDelegateClass

The input method delegate class key.

```
extern const NSString* IMKDelegateClass;
```

Constants

IMKDelegateClass

The key used to find an input method delegate class name from the input method bundle.

Available in Mac OS X v10.5 and later.

Declared in `IMKServer.h`.

Declared In

`IMKServer.h`

Document Revision History

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

Date	Notes
2007-06-06	New document that describes the class that manages connections to input method clients.

REVISION HISTORY

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