
WebPluginViewFactory Protocol Reference

[Cocoa](#) > [User Experience](#)



2009-04-08



Apple Inc.
© 2009 Apple Inc.
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice.

The Apple logo is a trademark of Apple Inc.

Use of the "keyboard" Apple logo (Option-Shift-K) for commercial purposes without the prior written consent of Apple may constitute trademark infringement and unfair competition in violation of federal and state laws.

No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist application developers to develop applications only for Apple-labeled computers.

Every effort has been made to ensure that the information in this document is accurate. Apple is not responsible for typographical errors.

Apple Inc.
1 Infinite Loop
Cupertino, CA 95014
408-996-1010

Apple, the Apple logo, Cocoa, Mac, Mac OS, and Objective-C are trademarks of Apple Inc., registered in the United States and other countries.

Simultaneously published in the United States and Canada.

Even though Apple has reviewed this document, APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS PROVIDED "AS IS," AND YOU, THE READER, ARE ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.

IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY

DEFECT OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Contents

WebPluginViewFactory Protocol Reference 5

Overview	5
Tasks	5
Creating the Plug-in View	5
Class Methods	5
pluginViewWithArguments:	5
Constants	6
Argument Keys	6

Document Revision History 9

Index 11

WebPluginViewFactory Protocol Reference

Conforms to	NSObject
Framework	/System/Library/Frameworks/WebKit.framework
Availability	Available in Mac OS X v10.3.9 and later.
Declared in	WebPluginViewFactory.h
Companion guides	WebKit Plug-In Programming Topics WebKit Objective-C Programming Guide
Related sample code	WebKitPluginWithSimpleGUI

Overview

A `WebPluginViewFactory` object is used to create an `NSView` for a plug-in. The principal class in a plug-in bundle must conform to this protocol.

Tasks

Creating the Plug-in View

+ [pluginViewWithArguments:](#) (page 5)
Creates a new plug-in view.

Class Methods

pluginViewWithArguments:

Creates a new plug-in view.

+ (NSView *)pluginViewWithArguments:(NSDictionary *)arguments

Parameters*arguments*

Arguments used in creating the view.

Return Value

The created view.

Discussion

This method returns an `NSView` object that conforms to the `WebPlugin` informal protocol. The arguments dictionary should be specified by the keys and objects described in “Constants” (page 6). This method is required.

Availability

Available in Mac OS X v10.3.9 and later.

Declared In`WebPluginViewFactory.h`

Constants

Argument Keys

The following constants define the keys used to access the values in the *arguments* dictionary passed in to the `pluginViewWithArguments:` method. Note that `WebPluginBaseURLKey` and `WebPluginAttributesKey` will always correspond to data, the others may be `nil`.

`WebPluginBaseURLKey`
`WebPluginAttributesKey`
`WebPluginContainerKey`
`WebPluginContainingElementKey`

Constants`WebPluginBaseURLKey`The base URL of the document containing the plug-in's view. *Required key.*

Available in Mac OS X v10.3 and later.

Declared in `WebPluginViewFactory.h`.`WebPluginAttributesKey`

The `NSDictionary` object containing all names and values of all attributes of the plug-in's associated HTML element, as well as all names and values of the parameters to be passed to the plug-in. For example, this dictionary will contain all `PARAM` elements within an `APPLET` element. If attribute and parameter names conflict, the attributes of an element take precedence over any of its parameters. All keys and values in this dictionary must be of type `NSString`. *Required key.*

Available in Mac OS X v10.3 and later.

Declared in `WebPluginViewFactory.h`.

WebPluginContainerKey

An object that conforms to the `WebPluginContainer` informal protocol. This object is used for callbacks from the plug-in to the enclosing application. If `WebPluginContainerKey` is `nil`, no callbacks will occur.

Available in Mac OS X v10.3 and later.

Declared in `WebPluginViewFactory.h`.

WebPluginContainingElementKey

If an element of the page's Document Object Model was used to specify the plug-in, this will contain that element. Otherwise, it will be `nil`.

Available in Mac OS X v10.3 and later.

Declared in `WebPluginViewFactory.h`.

Document Revision History

This table describes the changes to *WebPluginViewFactory Protocol Reference*.

Date	Notes
2009-04-08	Added separate parameter and return value descriptions.
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

Document Revision History

Index

A

Argument Keys [6](#)

P

pluginViewWithArguments: [protocol class method 5](#)

W

WebPluginAttributesKey [constant 6](#)

WebPluginBaseURLKey [constant 6](#)

WebPluginContainerKey [constant 7](#)

WebPluginContainingElementKey [constant 7](#)