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# WebKit C Reference

[Carbon > User Experience](#)



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

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# Contents

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## **WebKit C Reference 5**

---

Overview 5

Functions 5

    HIWebViewCreate 5

    HIWebViewGetWebView 6

    WebConvertNSImageToCGImageRef 6

    WebInitForCarbon 7

---

## **Document Revision History 9**

---

---

## **Index 11**

---



# WebKit C Reference

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<b>Framework:</b>	Carbon/Carbon.h
<b>Declared in</b>	CarbonUtils.h HIWebView.h

## Overview

**Note:** This document was previously titled *Web Kit Reference for C*.

The WebKit C API provides a way to embed a web view in a Carbon window. Once you have added the view to a window, you must load information to display URL content using Objective-C classes.

For more details on how to add web views to your application and how to display and manage content using Objective-C APIs, see [Displaying Web Content](#).

## Functions

### HIWebViewCreate

Creates an HView-based container for web content.

```
OSStatus HIWebViewCreate (  
    HViewRef *outControl  
);
```

#### Parameters

*outControl*

On return, `outControl` points to the newly-created web view.

#### Return Value

A result code.

#### Discussion

The web view is a standard HView, so you can use any of the standard HView functions to manipulate it. Note however, that the web view cannot currently be obscured by other views above it.

#### Availability

Available in Mac OS X 10.2 with Safari 1.0 and later.

Not available to 64-bit applications.

**Declared In**

HIWebView.h

**HIWebViewGetWebView**

Obtains the Cocoa NSView associated with the web view.

```
WebView * HIWebViewGetWebView (
    HIViewRef inView
);
```

**Parameters***inView*

The web view whose Cocoa equivalent you want to obtain.

**Return Value**

The Cocoa equivalent of the web view.

**Discussion**

You must obtain the Cocoa web view if you want to make native Cocoa calls to manipulate the view contents.

**Availability**

Available in Mac OS X 10.2 with Safari 1.0 and later.

Not available to 64-bit applications.

**Declared In**

HIWebView.h

**WebConvertNSImageToCGImageRef**

Creates a Core Graphics image from a Cocoa NSImage.

```
CGImageRef WebConvertNSImageToCGImageRef (
    NSImage *inImage
);
```

**Parameters***inImage*

A reference to the Cocoa NSImage to convert.

**Return Value**

A reference to the Core Graphics image.

**Discussion**

You may need to use this function if you want to display icons for URLs from the history or page icons.

**Availability**

Available in Mac OS X 10.2 with Safari 1.0 and later.

Not available to 64-bit applications.

**Declared In**

CarbonUtils.h

## WebInitForCarbon

Initializes the WebKit.

```
void WebInitForCarbon (  
    void  
);
```

### Discussion

You must call this function before making any other WebKit calls. This function will call `NSApplicationLoad`, `InstallEventLoopIdleTimer`, and create a `NSAutoreleasePool`. This function only needs to be called once. Several calls to this function will do nothing, this is important in the case of plug-in bundles. Lastly, you do not need to call `NSApplicationLoad` and create a `NSAutoreleasePool` if you call this function.

### Availability

Available in Mac OS X 10.2 with Safari 1.0 and later.

Not available to 64-bit applications.

### Declared In

`CarbonUtils.h`





# Document Revision History

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This table describes the changes to *WebKit C Reference*.

Date	Notes
2008-10-15	Minor edits throughout.
2006-03-08	Corrected typo.
2006-02-07	Clarified results of calling the <code>WebInitForCarbon</code> function.
2005-08-11	Corrected typos.
2004-12-02	Document name changed to <i>WebKit C Reference</i> to conform to new guidelines.
2003-06-06	This initial release describes the C APIs available for embedding web content in a Carbon application.

## REVISION HISTORY

### Document Revision History

# Index

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## H

---

HIWebViewCreate **function** [5](#)  
HIWebViewGetWebView **function** [6](#)

## W

---

WebConvertNSImageToCGImageRef **function** [6](#)  
WebInitForCarbon **function** [7](#)