
DOMWindow Additions Reference

Data Management



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DOMWindow Additions Reference

Availability	Available in Safari 4.0 and later. Available in iPhone OS 1.1.1 and later.
Companion guides	Safari Web Content Guide Safari CSS Visual Effects Guide

Overview

DOMWindow additions allow conversion of points from page- and node-coordinate systems for transitions.

Tasks

Accessing Properties

[applicationCache](#) (page 7)

The application cache associated with the current document.

[orientation](#) (page 8)

Specifies the orientation of the device.

Converting Points

[webkitConvertPointFromPageToNode](#) (page 9)

Converts a point from page coordinates to a given node's coordinates.

[webkitConvertPointFromNodeToPage](#) (page 8)

Converts a point from a given node's coordinates to page coordinates.

Properties

applicationCache

The application cache associated with the current document.

readonly attribute DOMApplicationCache applicationCache;

Availability

Available in Safari 4.0 and later.

Available in iPhone OS 2.2 and later.

orientation

Specifies the orientation of the device.

readonly attribute long orientation;

Discussion

This property is set to one of the values in [Table 1](#) (page 8). For example, if the user starts with the device in portrait orientation and then changes to landscape orientation by turning the device to the right, the window's `orientation` property is set to `-90`. If the user instead changes to landscape by turning the device to the left, the window's `orientation` property is set to `90`. The default value is `0`.

Table 1 Window orientation values

Value	Description
0	Portrait orientation. This is the default value.
-90	Landscape orientation with the screen turned clockwise.
90	Landscape orientation with the screen turned counterclockwise.
180	Portrait orientation with the screen turned upside down. This value is currently not supported on iPhone.

Availability

Available in iPhone 1.1.1 and later.

Methods

webkitConvertPointFromNodeToPage

Converts a point from a given node's coordinates to page coordinates.

```
WebKitPoint webkitConvertPointFromNodeToPage(in Node node, in WebKitPoint p);
```

Parameters

node

The coordinate space for *p*.

p

A point in node's coordinates to convert to page coordinates.

Return Value

A point that is at the same location as *p* but in the page coordinates.

Availability

Available in iPhone OS 2.0 and later.

webkitConvertPointFromPageToNode

Converts a point from page coordinates to a given node's coordinates.

```
WebKitPoint webkitConvertPointFromPageToNode(in Node node, in WebKitPoint p);
```

Parameters

node

The coordinate space to convert the given point to.

p

A point in page coordinates to convert to node's coordinates.

Return Value

A point that is at the same location as *p* but in the node's coordinates.

Availability

Available in iPhone OS 2.0 and later.

Document Revision History

This table describes the changes to *DOMWindow Additions Reference*.

Date	Notes
2010-02-24	First revision as a collections document.

REVISION HISTORY

Document Revision History