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# CFBoolean Reference

Data Management: Data Types & Collections



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# CFBoolean Reference

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| <b>Derived From:</b>   | CFPropertyList : CType                               |
| <b>Framework:</b>      | CoreFoundation/CoreFoundation.h                      |
| <b>Companion guide</b> | Property List Programming Topics for Core Foundation |
| <b>Declared in</b>     | CFNumber.h   |

## Overview

CFBoolean objects are used to wrap boolean values for use in Core Foundation property lists and collection types.

## Functions

### CFBooleanGetTypeID

Returns the Core Foundation type identifier for the CFBoolean opaque type.

```
CTypeID CFBooleanGetTypeID (
    void
);
```

#### Return Value

The Core Foundation type identifier for CFBoolean opaque type.

#### Availability

Available in CarbonLib v1.0 and later.

Available in Mac OS X v10.0 and later.

#### Related Sample Code

Cocoa PDE with Carbon Printing

HID Manager Basics

LoginItemsAE

#### Declared In

CFNumber.h

**CFBooleanGetValue**

Returns the value of a CFBoolean object as a standard C type `Boolean`.

```
Boolean CFBooleanGetValue (
    CFBooleanRef boolean
);
```

**Parameters**

*boolean*

The boolean to examine.

**Return Value**

The value of *boolean*.

**Availability**

Available in CarbonLib v1.0 and later.

Available in Mac OS X v10.0 and later.

**Related Sample Code**

bulkerase

databurntest

GLUT

HID Utilities Source

SeeMyFriends

**Declared In**

CFNumber.h

## Data Types

**CFBooleanRef**

A reference to a CFBoolean object.

```
typedef const struct __CFBoolean *CFBooleanRef;
```

**Discussion**

CFBoolean objects are used to wrap boolean values for use in Core Foundation property lists and collection types.

**Availability**

Available in Mac OS X v10.0 and later.

**Declared In**

CFNumber.h

## Constants

### Boolean Values

CFBoolean evaluates to either true or false values where `kCFBooleanTrue` is the true, and `kCFBooleanFalse` is the false value.

```
const CFBooleanRef kCFBooleanTrue;  
const CFBooleanRef kCFBooleanFalse;
```

#### Constants

`kCFBooleanTrue`

Boolean true value.

Available in Mac OS X v10.0 and later.

Declared in `CFNumber.h`.

`kCFBooleanFalse`

Boolean false value.

Available in Mac OS X v10.0 and later.

Declared in `CFNumber.h`.



# Document Revision History

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This table describes the changes to *CFBoolean Reference*.

| Date       | Notes  |
|------------|--|
| 2005-12-06 | Made minor changes to text to conform to reference consistency guidelines. |
| 2005-08-11 | Cosmetic changes to conform to documentation guidelines.                   |
| 2003-01-01 | First version of this document.  |

## REVISION HISTORY

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kCFBooleanTrue [constant 7](#)