Backup Core Reference

User Experience > Apple Applications

2006-07-31

Apple Inc.
© 2006 Apple Computer, 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, Mac, and Mac OS 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

Backup Core Reference 5

Overview 5
Functions 5
CSBackupIsItemExcluded 5
CSBackupSetItemExcluded 6

Document Revision History 7

Index 9

2006-07-31 | © 2006 Apple Computer, Inc. All Rights Reserved.

2006-07-31 | © 2006 Apple Computer, Inc. All Rights Reserved.

Backup Core Reference

Framework: CoreServices/CoreServices.h

Declared in BackupCore.h

Overview

Backup Core is a C language API that supplies a low-level interface to file and folder settings used by Backup. Introduced in Mac OS X v10.5, Backup is a built-in, user-configurable backup solution that protects user data from accidental loss.

The Backup Core API includes a function you can use to exclude from Backup temporary or otherwise unimportant folders and files your application creates. In addition, you can use this function to allow your users to make backup decisions from within the context of your application.

Functions

CSBackupIsItemExcluded

Returns a Boolean value indicating whether an item is currently excluded from the backup.

```
Boolean CSBackupIsItemExcluded (
    CFURLRef item,
    Boolean * excludeByPath
);
```

Parameters

item

The URL of the item.

excludeByPath

If `true`, the item's backup exclusion status applies to its location; if `false`, the item's backup exclusion status applies to itself, regardless of its location. See `CSBackupSetItemExcluded` (page 6) for more information. Can be `NULL`.

Return Value

`true` if the item or any of its ancestors are currently excluded from backup, `false` otherwise.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`BackupCore.h`

2006-07-31 | © 2006 Apple Computer, Inc. All Rights Reserved.

CSBackupSetItemExcluded

Includes or excludes an item from the backup.

```
OSStatus CSBackupSetItemExcluded (
    CFURLRef item,
    Boolean exclude,
    Boolean excludeByPath
);
```

Parameters

item

The URL of the file or folder to be included or excluded from the backup.

exclude

Pass `true` to exclude this item from backup (Backup will not back up this item). Pass `false` to stop excluding this item (Backup will back up this item if the user so chooses).

excludeByPath

Pass `true` to indicate that this item is excluded because of its location (its absolute path). Pass `false` to indicate that this item is excluded regardless of its location (and regardless of whether the user moves the item).

Return Value

A result code. Returns `noErr` if the item was successfully included or excluded from the backup.

Discussion

Backup skips files and folders marked for exclusion. If a folder is marked for exclusion, the folder and all its contents are excluded from the backup process. You can exclude specific paths that do not exist yet, but that you plan to create later, by passing the planned URL in `item` and passing `true` in `excludeByPath`. Note that if you pass `false` in `excludeByPath`, the URL must already exist.

Your application can allow users to change the backup exclusion status of any file or folder to which it has write access. To change the backup exclusion status of a path, your application must be running with administrator privileges.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`BackupCore.h`

2006-07-31 | © 2006 Apple Computer, Inc. All Rights Reserved.

Document Revision History

This table describes the changes to *Backup Core Reference*.

Date	Notes
2006-07-31	New document that describes how to manage the backup exclusion status of files and folders.

2006-07-31 | © 2006 Apple Computer, Inc. All Rights Reserved.

2006-07-31 | © 2006 Apple Computer, Inc. All Rights Reserved.

Index

C

`CSBackupIsItemExcluded` function 5
`CSBackupSetItemExcluded` function 6

2006-07-31 | © 2006 Apple Computer, Inc. All Rights Reserved.