Open Directory Error Codes Reference

Networking, Internet, & Web: Services & Discovery

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Contents

Open Directory Error Codes Reference

Framework:	CFOpenDirectory
Declared in	CFOpenDirectoryErrors.h

Overview

Many functions in the Open Directory API return error codes to indicate the cause of a failure. This document explains these error codes.

Constants

Open Directory Error Codes

This enumeration contains error codes returned by the Open Directory framework.

```
enum ODFrameworkErrors
{
    /* ODSession error codes */

    kODErrorSessionLocalOnlyDaemonInUse          =    1000,
    kODErrorSessionNormalDaemonInUse             =    1001,
    kODErrorSessionDaemonNotRunning              =    1002,
    kODErrorSessionDaemonRefused                 =    1003,
    kODErrorSessionProxyCommunicationError       =    1100,
    kODErrorSessionProxyVersionMismatch          =    1101,
    kODErrorSessionProxyIPUnreachable            =    1102,
    kODErrorSessionProxyUnknownHost              =    1103,

    /* ODNode error codes */

    kODErrorNodeUnknownName                      =    2000,
    kODErrorNodeUnknownType                      =    2001,
    kODErrorNodeConnectionFailed                 =    2100,

    /* ODNode miscellaneous error codes */

    kODErrorNodeUnknownHost                      =    2200,
    /* ODQuery error codes */
```

```
kODErrorQuerySynchronize                        =    3000,
kODErrorQueryInvalidMatchType                   =    3100,
kODErrorQueryUnsupportedMatchType               =    3101,
kODErrorQueryTimeout                            =    3102,

/* ODRecord error codes */

kODErrorRecordReadOnlyNode                      =    4000,
kODErrorRecordPermissionError                   =    4001,
kODErrorRecordParameterError                    =    4100,
kODErrorRecordInvalidType                       =    4101,
kODErrorRecordAlreadyExists                     =    4102,
kODErrorRecordTypeDisabled                      =    4103,
kODErrorRecordAttributeUnknownType              =    4200,
kODErrorRecordAttributeNotFound                 =    4201,
kODErrorRecordAttributeValueSchemaError         =    4202,
kODErrorRecordAttributeValueNotFound            =    4203,

/* Credential specific error codes */
kODErrorCredentialsInvalid                      =    5000,
kODErrorCredentialsMethodNotSupported           =    5100,
kODErrorCredentialsNotAuthorized                =    5101,
kODErrorCredentialsParameterError               =    5102,
kODErrorCredentialsOperationFailed              =    5103,
kODErrorCredentialsServerUnreachable            =    5200,
kODErrorCredentialsServerNotFound               =    5201,
kODErrorCredentialsServerError                  =    5202,
kODErrorCredentialsServerTimeout                =    5203,
kODErrorCredentialsContactMaster                =    5204,
kODErrorCredentialsServerCommunicationError     =    5205,
kODErrorCredentialsAccountNotFound              =    5300,
kODErrorCredentialsAccountDisabled              =    5301,
kODErrorCredentialsAccountExpired               =    5302,
kODErrorCredentialsAccountInactive              =    5303,
kODErrorCredentialsPasswordExpired              =    5400,
kODErrorCredentialsPasswordChangeRequired       =    5401,
kODErrorCredentialsPasswordQualityFailed        =    5402,
kODErrorCredentialsPasswordTooShort             =    5403,
kODErrorCredentialsPasswordTooLong              =    5404,
kODErrorCredentialsPasswordNeedsLetter          =    5405,
kODErrorCredentialsPasswordNeedsDigit           =    5406,
kODErrorCredentialsPasswordChangeTooSoon        =    5407,
kODErrorCredentialsPasswordUnrecoverable        =    5408,
kODErrorCredentialsInvalidLogonHours            =    5500,
kODErrorCredentialsInvalidComputer              =    5501,

/* Underlying plugin errors */
kODErrorPluginOperationNotSupported             =    10000,
kODErrorPluginError                             =    10001,
kODErrorDaemonError                             =    10002,
};
```

Constants

`kODErrorSessionLocalOnlyDaemonInUse`

> A normal request was issued when the local-only daemon was in use.

> Available in Mac OS X v10.6 and later.

> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorSessionNormalDaemonInUse`
>A local-only request was issued when the normal daemon was in use.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorSessionDaemonNotRunning`
>The daemon is not running.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorSessionDaemonRefused`
>The daemon refused the session.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorSessionProxyCommunicationError`
>There was a communication error with the remote daemon.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorSessionProxyVersionMismatch`
>Versions mismatch between the remote daemon and the local framework.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorSessionProxyIPUnreachable`
>The proxy did not respond.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorSessionProxyUnknownHost`
>The proxy could not be resolved.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorNodeUnknownName`
>The node name provided does not exist and cannot be opened.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorNodeUnknownType`
>The node type provided is not a known value.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorNodeConnectionFailed`
>The node connection failed.
>
>Available in Mac OS X v10.6 and later.
>
>Declared in `CFOpenDirectoryErrors.h`.

`kODErrorNodeUnknownHost`
>
> The host provided is invalid.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorQuerySynchronize`
>
> A query synchronization has been initiated.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorQueryInvalidMatchType`
>
> An invalid match type was provided in the query.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorQueryUnsupportedMatchType`
>
> An unsupported match type was provided in the query.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorQueryTimeout`
>
> The query timed out.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorRecordReadOnlyNode`
>
> The record cannot be modified.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorRecordPermissionError`
>
> The changes were denied due to insufficient permissions.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorRecordParameterError`
>
> An invalid parameter was provided.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorRecordAlreadyExists`
>
> The record create failed because the record already exists.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorRecordTypeDisabled`
>
> The record type is disabled by policy for a plug-in.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorRecordAttributeUnknownType`
> The attribute type is unknown.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorRecordAttributeNotFound`
> The requested attribute could not be found in the record.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorRecordAttributeValueSchemaError`
> The attribute value does not meet schema requirements.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorRecordAttributeValueNotFound`
> The requested attribute value could not be found in the record.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsInvalid`
> The provided credentials are invalid with the current node.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsMethodNotSupported`
> The extended authentication method is not supported.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsNotAuthorized`
> The operation, such as changing a password, is not permitted with current privileges.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsParameterError`
> An invalid parameter was provided.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsOperationFailed`
> The requested operation failed.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsServerUnreachable`
> The authentication server could not be reached.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsServerNotFound`
> The authentication server could not be found.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsServerError`
> The authentication server encountered an error.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsServerTimeout`
> The authentication server timed out.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsContactMaster`
> The authentication server contacted is not the master server, and the requested operation requires the master server.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsServerCommunicationError`
> The authentication server encountered a communication error.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsAccountNotFound`
> The authentication server could not find the provided account.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsAccountDisabled`
> The account is disabled.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsAccountExpired`
> The account is expired.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsAccountInactive`
> The account is inactive.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsPasswordExpired`
> The password has expired and must be changed.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsPasswordChangeRequired`
> The password must be changed.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsPasswordQualityFailed`
> The provided password did not meet minimum quality requirements.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsPasswordTooShort`
> The provided password is too short.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsPasswordTooLong`
> The provided password is too long.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsPasswordNeedsLetter`
> The provided password needs at least one letter.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsPasswordNeedsDigit`
> The provided password needs at least one digit.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsPasswordChangeTooSoon`
> The password was changed too recently to be changed again.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsPasswordUnrecoverable`
> The password could not be recovered from the authentication database.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsInvalidLogonHours`
> The logon attempt was not within set logon hours.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorCredentialsInvalidComputer`
> The account is not permitted to log into this computer.
>
> Available in Mac OS X v10.6 and later.
>
> Declared in `CFOpenDirectoryErrors.h`.

`kODErrorPluginOperationNotSupported`

      The plug-in does not support the requested operation.

      Available in Mac OS X v10.6 and later.

      Declared in `CFOpenDirectoryErrors.h`.

`kODErrorPluginError`

      A plug-in has encountered an undefined error.

      Available in Mac OS X v10.6 and later.

      Declared in `CFOpenDirectoryErrors.h`.

`kODErrorDaemonError`

      The daemon has encountered an undefined error.

      Available in Mac OS X v10.6 and later.

      Declared in `CFOpenDirectoryErrors.h`.

Document Revision History

This table describes the changes to *Open Directory Error Codes Reference.*

Date	Notes
2009-05-27	New document that lists error codes used by the Open Directory API.