
Open Directory Error Codes Reference

Networking, Internet, & Web: Services & Discovery



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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,

    /* ODNnode error codes */

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

    /* ODNnode 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.

REVISION HISTORY

Document Revision History