Sync Services Constants Reference

Cocoa > Syncing

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Sync Services Constants Reference

Framework:	SyncServices/SyncServices.h
Declared in	SyncServicesErrors.h

Overview

This chapter describes the types and constants found in the Sync Services:

Constants

Enumerations

ISyncChange—Change Types

```
typedef int ISyncChangeType;
enum __ISyncChangeType {
 ISyncChangeTypeAdd=1,
 ISyncChangeTypeModify,
 ISyncChangeTypeDelete
};
```

Discussion
These types are described in ISyncChange Class Reference.

Availability
Available in Mac OS X v10.4 and later.

Declared In
`SyncServices/ISyncChange.h`

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ISyncClient—Client Status

```
typedef SInt32 ISyncStatus;
enum __ISyncStatus {
 ISyncStatusRunning=1,
 ISyncStatusSuccess,
 ISyncStatusWarnings,
 ISyncStatusErrors,
 ISyncStatusCancelled,
 ISyncStatusFailed,
 ISyncStatusNever
};
```

Discussion
These types are described in ISyncClient Class Reference.

Availability
Available in Mac OS X v10.4 and later.

Declared In
`SyncServices/ISyncClient.h`

ISyncSessionDriver—Preferred Sync Mode

```
typedef enum {
    ISyncSessionDriverModeFast = 1,
    ISyncSessionDriverModeSlow,
    ISyncSessionDriverModeRefresh,
} ISyncSessionDriverMode;
```

Discussion
These types are described in ISyncSessionDriverDataSource Protocol Reference.

Availability
Available in Mac OS X v10.5 and later.

Declared In
`SyncServices/ISyncSessionDriver.h`

ISyncSessionDriver—Status of Applying Changes

```
typedef enum {
    ISyncSessionDriverChangeRefused = 0,
    ISyncSessionDriverChangeAccepted,
    ISyncSessionDriverChangeIgnored,
    ISyncSessionDriverChangeError
} ISyncSessionDriverChangeResult;
```

Discussion
These types are described in ISyncSessionDriverDataSource Protocol Reference.

Availability
Available in Mac OS X v10.5 and later.

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Declared In
SyncServices/ISyncSessionDriver.h

Error Codes

Codes for errors that can occur when using an ISyncSessionDriver object or other Sync Services classes.

```
enum {
    ISyncSessionClientAlreadySyncingError =        100,
    ISyncSessionUserCanceledSessionError =         101,
    ISyncSessionDriverRegistrationError =          200,
    ISyncSessionDriverPullFailureError =           201,
    ISyncSessionDriverFatalError =                 300
};
```

Constants

`ISyncSessionClientAlreadySyncingError`
Error code that indicates the client is already syncing.
Available in Mac OS X v10.5 and later.
Declared in `SyncServicesErrors.h`.

`ISyncSessionUserCanceledSessionError`
Error code that indicates the user canceled the sync session.
Available in Mac OS X v10.5 and later.
Declared in `SyncServicesErrors.h`.

`ISyncSessionDriverRegistrationError`
Error code that indicates the session driver failed to register the client.
Available in Mac OS X v10.5 and later.
Declared in `SyncServicesErrors.h`.

`ISyncSessionDriverPullFailureError`
Error code that indicates the session driver failed to pull records.
Available in Mac OS X v10.5 and later.
Declared in `SyncServicesErrors.h`.

`ISyncSessionDriverFatalError`
Error code that indicates an ISyncSessionDriver received a fatal error.
Available in Mac OS X v10.5 and later.
Declared in `SyncServicesErrors.h`.

Availability
Available in Mac OS X v10.5 and later.

Declared In
SyncServices/SyncServicesErrors.h

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Global Variables

ISyncChange—Property Keys

```
extern NSString * const ISyncChangePropertyActionKey;
extern NSString * const ISyncChangePropertySet;
extern NSString * const ISyncChangePropertyClear;
extern NSString * const ISyncChangePropertyNameKey;
extern NSString * const ISyncChangePropertyValueKey;
```

Discussion
These constants are defined in ISyncChange Class Reference.

Availability
Available in Mac OS X v10.4 and later.

Declared In
`SyncServices/ISyncChange.h`

ISyncClient—Client Types

```
extern NSString * const ISyncClientTypeApplication;
extern NSString * const ISyncClientTypeDevice;
extern NSString * const ISyncClientTypeServer;
extern NSString * const ISyncClientTypePeer;
```

Discussion
These constants are defined in ISyncClient Class Reference.

Availability
Available in Mac OS X v10.4 and later.

Declared In
`SyncServices/ISyncClient.h`

ISyncManager—Exceptions

```
extern NSString * const ISyncServerUnavailableException
```

Discussion
This constant is defined in ISyncManager Class Reference.

Availability
Available in Mac OS X v10.4 and later.

Declared In
`SyncServices/ISyncManager.h`

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ISyncSession—Exceptions

```
extern NSString * const ISyncSessionCancelledException;
extern NSString * const ISyncSessionUnavailableException;
extern NSString * const ISyncInvalidRecordException;
extern NSString * const ISyncInvalidRecordIdentifiersKey;
extern NSString * const ISyncInvalidRecordReasonsKey;
extern NSString * const ISyncInvalidRecordsKey;
extern NSString * const ISyncInvalidEntityException;
extern NSString * const ISyncUnsupportedEntityException;
```

Discussion
These constants are defined in ISyncSession Class Reference.

Availability
Available in Mac OS X v10.4 and later.

Declared In
`SyncServices/ISyncSession.h`

ISyncSession—Key

```
extern NSString * const ISyncRecordEntityNameKey;
```

Discussion
These constants are defined in ISyncSession Class Reference.

Availability
Available in Mac OS X v10.4 and later.

Declared In
`SyncServices/ISyncSession.h`

ISyncErrorDomain

Domain for errors that occurred using Sync Services classes and methods.

```
NSString *const ISyncErrorDomain;
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
`SyncServices/SyncServicesErrors.h`

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Document Revision History

This table describes the changes to *Sync Services Constants Reference*.

Date	Notes
2007-07-11	Updated for Mac OS X 10.5. First publication of this content as a separate document.

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Document Revision History

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