

Atmos2

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Chapter 1

Class Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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<ATSynchronizerDelegate>	19
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NSManagedObject	20
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Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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_ATRoute	5
ASLMessage	5
ASLogger	6
ASLQuery	7
ASLResponse	8
ATAppContext	9
ATAttributeMapper	10
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RNUtil	21
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Chapter 3

Class Documentation

3.1 `_ATObjectURI` Struct Reference

Public Attributes

- `NSString *` **entity**
- `NSString *` **identifier**

The documentation for this struct was generated from the following file:

- `ATObjectURI.h`

3.2 `_ATRoute` Struct Reference

Public Attributes

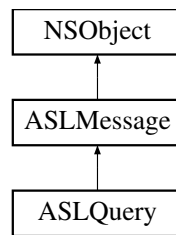
- `RKRequestMethod` **method**
- `NSString *` **path**

The documentation for this struct was generated from the following file:

- `ATResourceClient.h`

3.3 `ASLMessage` Class Reference

Inheritance diagram for `ASLMessage`:



Public Member Functions

- (id) - **initWithResponseMessage:**
- (id) - **initWithResponseMessage:**

Protected Attributes

- aslmsg **_message**
- BOOL **_nofree**

Properties

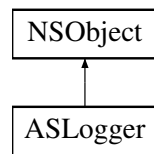
- aslmsg **aslmessage**
- NSDate * **time**
- NSHost * **host**
- NSString * **sender**
- NSString * **facility**
- pid_t **processID**
- uid_t **userID**
- gid_t **groupID**
- int **level**
- NSString * **message**
- uid_t **readUID**
- gid_t **readGID**

The documentation for this class was generated from the following files:

- ASLMessage.h
- ASLMessage.m

3.4 ASLogger Class Reference

Inheritance diagram for ASLogger:



Public Member Functions

- (void) - **setName:facility:options:**
- (BOOL) - **setFilter:**
- (BOOL) - **log:level:**
- (BOOL) - **log:level:args:**
- (BOOL) - **log:message:level:**
- (BOOL) - **log:message:level:args:**
- (BOOL) - **logMessage:**
- (BOOL) - **addLogFile:**
- (void) - **removeLogFile:**
- (ASLResponse *) - **search:**

Static Public Member Functions

- (ASLogger *) + **defaultLogger**
- (ASLogger *) + **loggerWithName:facility:options:**

Protected Attributes

- aslclient **_client**
- NSMutableDictionary * **_additionalFiles**

Properties

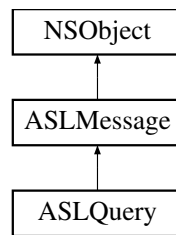
- aslclient **client**

The documentation for this class was generated from the following files:

- ASLogger.h
- ASLogger.m

3.5 ASLQuery Class Reference

Inheritance diagram for ASLQuery:



Public Member Functions

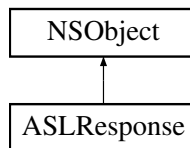
- (void) - **setValue:forKey:withOperation:**

The documentation for this class was generated from the following files:

- ASLQuery.h
- ASLQuery.m

3.6 ASLResponse Class Reference

Inheritance diagram for ASLResponse:



Public Member Functions

- (id) - **initWithResponse:**
- ([ASLMessage](#) *) - **next**

Static Public Member Functions

- ([ASLResponse](#) *) + **responseFromQuery:**
- ([ASLResponse](#) *) + **responseWithResponse:**

Protected Attributes

- aslresponse **_response**

Properties

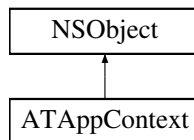
- aslresponse **response**

The documentation for this class was generated from the following files:

- ASLResponse.h
- ASLResponse.m

3.7 ATAppContext Class Reference

Inheritance diagram for ATAppContext:



Public Member Functions

- (id) - **initWithSynchronizer:appContext:**
- (NSManagedObject *) - **objectAtURI:**
- (NSManagedObject *) - **createAppObjectAtURI:**
- (Class) - **_managedClassForURI:**
- (AObjectURI) - **URIOfAppObject:**
- (void) - **changeIDTo:atURI:**
- (void) - **updateAppObject:withDictionary:**
- (void) - **deleteAppObject:**
- (void) - **_resolveRelations:withDictionary:**
- (NSDictionary *) - **dataForObject:**
- (NSArray *) - **relationsForAppObject:**
- (BOOL) - **attributesChangedInAppObject:**
- (BOOL) - **hasChanges**
- (void) - **save**
- (void) - **save:**
- (void) - **obtainPermanentIDsForObjects:error:**

Static Public Member Functions

- (id) + **sharedAppContext**

Protected Attributes

- [ATSynchronizer](#) * **_sync**
- `NSManagedObjectContext` * **_managedContext**
- `NSMutableArray` * **_relationsQueue**

Properties

- [ATSynchronizer](#) * **sync**
- `NSManagedObjectContext` * **managedContext**
- [ATAttributeMapper](#) * **attributeMapper**

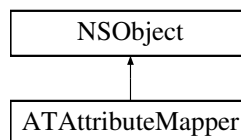
The documentation for this class was generated from the following files:

- `ATAppContext.h`
- `ATAppContext.m`

3.8 ATAttributeMapper Class Reference

```
#import <ATAttributeMapper.h>
```

Inheritance diagram for `ATAttributeMapper`:



Public Member Functions

- (id) - **initWithMappingHelper:**

Properties

- [ATMappingHelper](#) * **mappingHelper**

3.8.1 Detailed Description

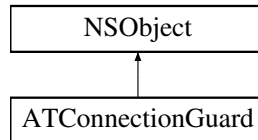
This class does nothing

The documentation for this class was generated from the following files:

- `ATAttributeMapper.h`
- `ATAttributeMapper.m`

3.9 ATConnectionGuard Class Reference

Inheritance diagram for ATConnectionGuard:



Public Member Functions

- (void) - **start**
- (void) - **stop**
- (void) - **_checkConnection**

Protected Attributes

- BOOL **isRunning**

Properties

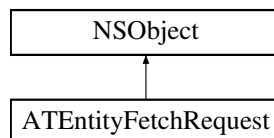
- [ATSynchronizer](#) * **client**

The documentation for this class was generated from the following files:

- ATConnectionGuard.h
- ATConnectionGuard.m

3.10 ATEntityFetchRequest Class Reference

Inheritance diagram for ATEntityFetchRequest:



Public Member Functions

- (id) - **initWithResourceClient:entity:**
- (void) - **send**
- ([ATObjectURI](#)) - **objectURIFromItem:**

Properties

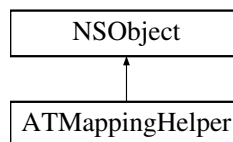
- [ATResourceClient](#) * **resourceClient**
- RKClient * **networkClient**
- [NSString](#) * **entity**

The documentation for this class was generated from the following files:

- ATEntityFetchRequest.h
- ATEntityFetchRequest.m

3.11 ATMappingHelper Class Reference

Inheritance diagram for ATMappingHelper:



Public Member Functions

- (void) - **loadEntitiesMapFromResource:**
- (void) - **loadAttributesMapFromResource:**
- (void) - **loadRelationsMapFromResource:**
- (void) - **_loadResource:intoDictionary:**
- ([NSString](#) *) - **localEntityNameFor:**
- ([NSString](#) *) - **serverEntityNameFor:**
- ([NSString](#) *) - **serverEntityNameForAppObject:**
- ([NSString](#) *) - **serverAttributeNameFor:entity:**
- ([NSString](#) *) - **localAttributeNameFor:entity:**
- (NSDictionary *) - **relationsForObject:**
- (NSDictionary *) - **relationsForEntity:**

Properties

- NSDictionary * [entitiesMap](#)
- NSDictionary * **attributesMap**
- NSDictionary * **relationsMap**

3.11.1 Property Documentation

3.11.1.1 -(NSDictionary*) entitiesMap [read, write, retain]

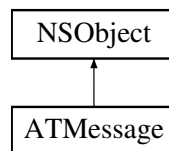
Entities map dictionary. Key represents server entity name and value represents client entity name

The documentation for this class was generated from the following files:

- ATMappingHelper.h
- ATMappingHelper.m

3.12 ATMessage Class Reference

Inheritance diagram for ATMessage:



Public Member Functions

- (NSString *) - JSONString

Static Public Member Functions

- (ATMessage *) + messageFromJSONString:

Protected Attributes

- NSString * _type
- NSDictionary * _content

Properties

- NSString * type
- NSDictionary * content

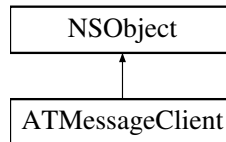
The documentation for this class was generated from the following files:

- ATMessage.h
- ATMessage.m

3.13 ATMessageClient Class Reference

```
#import <ATMessageClient.h>
```

Inheritance diagram for ATMessageClient:



Public Member Functions

- (id) - **initWithSynchronizer:**
- (void) - **connect**
- (BOOL) - **isConnected**
- (void) - **_initializeSocketConnection**
- (void) - **_sendConnectMessage**
- (void) - **disconnect**
- (void) - **_didReceiveServerAuthFailure:**
- (void) - **_didReceiveServerAuthSuccess:**
- (void) - **sendMessage:**
- (void) - **_didReceiveServerPush:**

Protected Attributes

- BOOL **_isRunning**
- [ATSynchronizer](#) * **_sync**
- [NSString](#) * **_host**
- NSInteger **_port**
- SocketIO * **_connection**

Properties

- [ATSynchronizer](#) * **sync**
- [NSString](#) * **host**
- NSInteger **port**
- SocketIO * **connection**

3.13.1 Detailed Description

[ATMessageClient](#) is responsible for dealing with live connection for push updates and notifications.

3.13.2 Member Data Documentation

3.13.2.1 `-(NSString*)_host` [protected]

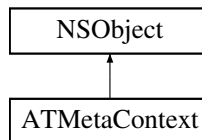
Connection

The documentation for this class was generated from the following files:

- `ATMessageClient.h`
- `ATMessageClient.m`

3.14 ATMetaContext Class Reference

Inheritance diagram for `ATMetaContext`:



Public Member Functions

- (BOOL) - **save**
- (void) - **markURIChanged:**
- (void) - **markURISynced:**
- ([ATMetaObject *](#)) - **objectAtURI:**
- ([ATMetaObject *](#)) - **ensureObjectAtURI:**
- ([ATMetaObject *](#)) - **createObjectAtURI:**
- (NSArray *) - **changedObjects**
- (void) - **changeIDTo:atURI:**

Static Public Member Functions

- (id) + **restore**
- ([NSString *](#)) + **path**

Protected Attributes

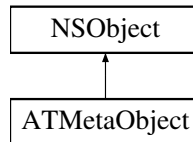
- NSMutableDictionary * **_objects**

The documentation for this class was generated from the following files:

- `ATMetaContext.h`
- `ATMetaContext.m`

3.15 ATMetaObject Class Reference

Inheritance diagram for ATMetaObject:



Public Member Functions

- (id) - **initWithURI:**

Properties

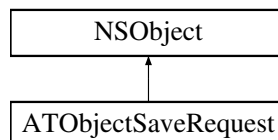
- [ATObjectURI](#) **uri**
- BOOL **isChanged**
- BOOL **isLocalOnly**

The documentation for this class was generated from the following files:

- ATMetaObject.h
- ATMetaObject.m

3.16 ATObjectSaveRequest Class Reference

Inheritance diagram for ATObjectSaveRequest:



Public Member Functions

- (id) - **initWithResourceClient:object:options:**
- (void) - **send**

Properties

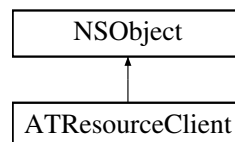
- [ATResourceClient](#) * **resourceClient**
- RKClient * **networkClient**
- NSDictionary * **options**
- [NSManagedObject](#) * **object**

The documentation for this class was generated from the following files:

- ATOBJECTSaveRequest.h
- ATOBJECTSaveRequest.m

3.17 ATResourceClient Class Reference

Inheritance diagram for ATResourceClient:



Public Member Functions

- (id) - **initWithSynchronizer:**
- (void) - **setBaseURL:**
- (void) - **addHeader:withValue:**
- (void) - **fetchEntity:**
- (void) - **didFetchItem:withURL:**
- (void) - **saveObject:**
- (void) - **saveObject:options:**
- (void) - **loadRoute:params:delegate:**
- (void) - **loadRoutesFromResource:**
- ([ATRoute](#)) - **routeForEntity:action:**
- ([ATRoute](#)) - **routeForEntity:action:params:**

Properties

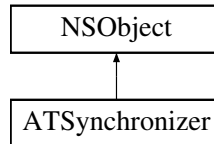
- [ATSynchronizer](#) * **sync**
- RKClient * **client**
- NSDictionary * **routes**
- [NSString](#) * **IDField**

The documentation for this class was generated from the following files:

- ATResourceClient.h
- ATResourceClient.m

3.18 ATSynchronizer Class Reference

Inheritance diagram for ATSynchronizer:



Public Member Functions

- (id) - **initWithAppContext:**
- (void) - **close**
- (NSString *) - **authKeyOrNull**
- (void) - **fetchEntity:**
- (void) - **syncObject:**
- (void) - **startSync**
- (void) - **sync**
- (void) - **updateObjectAtURL:withDictionary:**
- (void) - **changeURIFrom:to:**
- (void) - **startAutosync**
- (void) - **stopAutosync**
- (void) - **_didChangeAppObject:**

Protected Attributes

- [ATMappingHelper](#) * **_mappingHelper**
- [ATMetaContext](#) * **_metaContext**
- [ATAppContext](#) * **_appContext**
- [ATMessageClient](#) * **_messageClient**
- [ATResourceClient](#) * **_resourceClient**
- NSString * **_authKey**
- BOOL **_isSyncScheduled**

Properties

- [ATMetaContext](#) * **metaContext**
- [ATAppContext](#) * **appContext**
- [ATMappingHelper](#) * **mappingHelper**
- [ATMessageClient](#) * **messageClient**
- [ATResourceClient](#) * **resourceClient**
- NSString * **authKey**
- id< [ATSynchronizerDelegate](#) > **delegate**

3.18.1 Member Data Documentation

3.18.1.1 - (NSString*)_authKey [protected]

State

3.18.1.2 - (ATMappingHelper*)_mappingHelper [protected]

Helper

3.18.1.3 - (ATMessageClient*)_messageClient [protected]

Networking clients

3.18.1.4 - (ATMetaContext*)_metaContext [protected]

Context

3.18.2 Property Documentation

3.18.2.1 - (id< ATSynchronizerDelegate >) delegate [read, write, assign]

Delegate

The documentation for this class was generated from the following files:

- ATSynchronizer.h
- ATSynchronizer.m

3.19 <ATSynchronizerDelegate> Protocol Reference

Public Member Functions

- (void) - **clientAuthDidSucceed:**
- (void) - **clientAuthDidFail:**

The documentation for this protocol was generated from the following file:

- ATSynchronizer.h

3.20 NSData Class Reference

The documentation for this class was generated from the following file:

- NSData+Base64.m

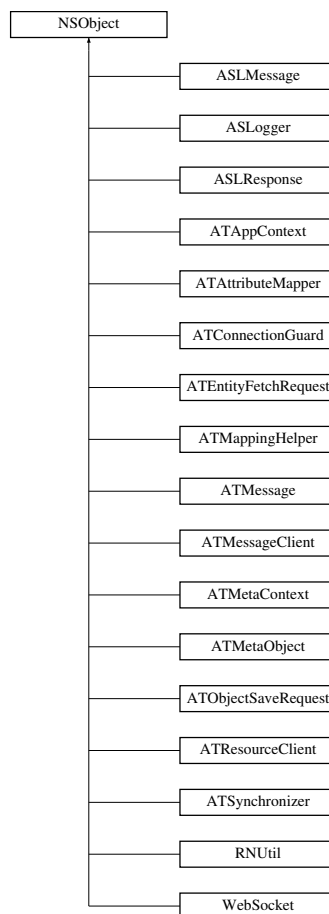
3.21 NSManagedObject Class Reference

The documentation for this class was generated from the following file:

- NSManagedObject+ATActiveRecord.m

3.22 NSObject Class Reference

Inheritance diagram for NSObject:



The documentation for this class was generated from the following file:

- NSObject+Properties.m

3.23 NSString Class Reference

The documentation for this class was generated from the following file:

- NSString+PropertyKVC.m

3.24 RKClient(ATAdditions) Class Reference

Public Member Functions

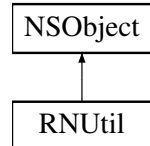
- (RKRequest *) - **load:method:params:delegate:**

The documentation for this class was generated from the following file:

- RKClient+ATAdditions.h

3.25 RNUtil Class Reference

Inheritance diagram for RNUtil:



Static Public Member Functions

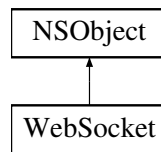
- (void) + **initLoggingInDirectory:**
- (void) + **initLogging**
- (NSString *) + **uuidString**
- (NSString *) + **applicationSupportDirectory**

The documentation for this class was generated from the following files:

- RNUtil.h
- RNUtil.m

3.26 WebSocket Class Reference

Inheritance diagram for WebSocket:



Public Member Functions

- (id) - **initWithURLString:delegate:**
- (void) - **open**
- (void) - **close**
- (void) - **send:**

Static Public Member Functions

- (id) + **websocketWithURLString:delegate:**

Protected Attributes

- AsyncSocket * **socket**

Properties

- id< [WebSocketDelegate](#) > **delegate**
- NSURL * **url**
- [NSString](#) * **origin**
- BOOL **connected**
- NSArray * **runLoopModes**

The documentation for this class was generated from the following files:

- WebSocket.h
- WebSocket.m

3.27 <WebSocketDelegate> Protocol Reference

Public Member Functions

- (void) - **websocket:didFailWithError:**
- (void) - **websocketDidOpen:**
- (void) - **websocketDidClose:**
- (void) - **websocket:didReceiveMessage:**
- (void) - **websocketDidSendMessage:**

The documentation for this protocol was generated from the following file:

- WebSocket.h

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