

Código para un cliente twitter:

CEUTWIT:

```
//
// CEUTwit.h
// CEUTwit
//
// Created by Pablo Maria Romeu Guallart on 20/1/15.
// Copyright (c) 2015 CEU. All rights reserved.
//

#import <Foundation/Foundation.h>

@interface CEUTwit : NSObject
- (BOOL)userHasAccessToTwitter;
- (void)fetchTimelineForUserWithBlock:(void(^)(NSError*,id))completionBlock;
@end
```

---

```
//
// CEUTwit.m
// CEUTwit
//
// Created by Pablo Maria Romeu Guallart on 20/1/15.
// Copyright (c) 2015 CEU. All rights reserved.
//

#import "CEUTwit.h"

#import <Social/Social.h>
#import <Accounts/Accounts.h>

@interface CEUTwit ()
@property (nonatomic,strong) ACAccountStore*accountStore;
@end

@implementation CEUTwit

- (instancetype)init{
    if (self = [super init]){
        _accountStore=[[ACAccountStore alloc] init];
    }
    return self;
}

- (BOOL)userHasAccessToTwitter
{
    return [SLComposeViewController
        isAvailableForServiceType:SLServiceTypeTwitter];
}

- (void)fetchTimelineForUserWithBlock:(void(^)(NSError*,id))completionBlock
{
    // Step 0: Comprobar que tenemos acceso a las cuentas
    if ([self userHasAccessToTwitter])
    {
        // Step 1: Obtener acceso
        ACAccountType *twitterAccountType =
        [self.accountStore accountTypeWithAccountTypeIdentifier:
            ACAccountTypeIdentifierTwitter];
    }
}
```

```

[self.accountStore
requestAccessToAccountsWithType:twitterAccountType
options:NULL
completion:^(BOOL granted, NSError *error) {
    if (granted) {
        // Step 2: Crear una petición
        NSArray *twitterAccounts =
        [self.accountStore
accountsWithAccountType:twitterAccountType];
        NSURL *url = [NSURL URLWithString:@"https://api.twitter.com"
@"1.1/statuses/home_timeline.json"];
        NSDictionary *params = @{
            @"count" : @"50"};

        SLRequest *request =
        [SLRequest requestForServiceType:SLServiceTypeTwitter
        requestMethod:SLRequestMethodGET
        URL:url
        parameters:params];

        // Poner nuestra cuenta para autenticar la petición
        [request setAccount:[twitterAccounts lastObject]];

        // Step 3: Ejecutar la petición
        [request performRequestWithHandler:
        ^(NSData *responseData,
        NSHTTPURLResponse *urlResponse,
        NSError *error) {

            if (responseData) {
                if (urlResponse.statusCode >= 200 &&
                urlResponse.statusCode < 300) {

                    NSError *jsonError;
                    NSDictionary *timelineData =
                    [NSJSONSerialization
                    JSONObjectWithData:responseData
                    options:NSJSONReadingAllowFragments
                    error:&jsonError];
                    if (timelineData) {

                        NSLog(@"Timeline Response: %@\n",
                        timelineData);
                        completionBlock(nil,timelineData);
                    }
                    else {
                        // Algo ha ido mal al "parsear"

                        NSLog(@"JSON Error: %@", [jsonError
                        localizedDescription]);
                        completionBlock(jsonError,nil);
                    }
                }
            }
            else {
                // Algo ha ido mal con la petición
                NSLog(@"The response status code is %ld",
                (long)urlResponse.statusCode);
                completionBlock(error,nil);
            }
        }
    ]];
}
else {
    // No tenemos acceso a la cuenta u otro error
    NSLog(@"%@", [error localizedDescription]);
}
}

```

```

        completionBlock(error,nil);
    }
}

@end

```

---

## MasterViewController:

```

//
//  MasterViewController.m
//  CEUTwit
//
//  Created by Pablo Maria Romeu Guallart on 20/1/15.
//  Copyright (c) 2015 CEU. All rights reserved.
//

#import "MasterViewController.h"
#import "DetailViewController.h"
#import "CEUTwit.h"
#import <Social/Social.h>

@interface MasterViewController ()

@property NSMutableArray *objects;
@property NSMutableDictionary *images;
@property CEUTwit *ceuTwit;
@end

@implementation MasterViewController

- (void)awakeFromNib {
    [super awakeFromNib];
}

- (void)viewDidLoad {
    [super viewDidLoad];
    // Do any additional setup after loading the view, typically from a nib.
    // self.navigationItem.leftBarButtonItem = self.editButtonItem;

    UIBarButtonItem *addButton = [[UIBarButtonItem alloc]
initWithBarButtonSystemItem:UIBarButtonSystemItemCompose target:self
action:@selector(insertNewObject:)];
    self.navigationItem.rightBarButtonItem = addButton;

    self.ceuTwit=[[CEUTwit alloc] init];
    [self reloadTweets];
}

- (void)reloadTweets{
    [self.ceuTwit fetchTimelineForUserWithBlock:^(NSError *error, id twits) {
        NSLog(@"twits received");
        self.objects=[twits mutableCopy];
        self.images=[NSMutableDictionary new];
        dispatch_async(dispatch_get_main_queue(), ^{
            // Foreground sync code
            [self.tableView reloadData];
        });
    }];
}

```

```

- (void)didReceiveMemoryWarning {
    [super didReceiveMemoryWarning];
    // Dispose of any resources that can be recreated.
}

- (void)insertNewObject:(id)sender {
    if ([SLComposeViewController
isAvailableForServiceType:SLServiceTypeTwitter]) {
        SLComposeViewController *mySLComposerSheet = [SLComposeViewController
composeViewControllerForServiceType:SLServiceTypeTwitter];
        [mySLComposerSheet setInitialText:@"Twit de prueba desde @uchceu!"];
        [mySLComposerSheet addURL:[NSURL
URLWithString:@"http://www.uchceu.es"]];
        [mySLComposerSheet
setCompletionHandler:^(SLComposeViewControllerResult result) {
            [self reloadTweets];
        }];
        [self presentViewController:mySLComposerSheet animated:YES
completion:nil];
    }
}

#pragma mark - Segues

- (void)prepareForSegue:(UIStoryboardSegue *)segue sender:(id)sender {
    if ([segue identifier] isEqualToString:@"showDetail"]) {
        NSIndexPath *indexPath = [self.tableView indexPathForSelectedRow];
        NSDate *object = self.objects[indexPath.row];
        [[segue destinationViewController] setDetailItem:object];
    }
}

#pragma mark - Table View

- (NSInteger)numberOfSectionsInTableView:(UITableView *)tableView {
    return 1;
}

- (NSInteger)tableView:(UITableView *)tableView
numberOfRowsInSection:(NSInteger)section {
    return self.objects.count;
}

- (UITableViewCell *)tableView:(UITableView *)tableView
cellForRowAtIndexPath:(NSIndexPath *)indexPath {
    UITableViewCell *cell = [tableView
dequeueReusableCellWithIdentifier:@"Cell" forIndexPath:indexPath];

    NSDictionary*twit = self.objects[indexPath.row];
    cell.textLabel.text = [twit objectForKey:@"text"];
    NSDictionary*userObject=[twit objectForKey:@"user"];
    cell.detailTextLabel.text =[userObject objectForKey:@"screen_name"];
    NSString*imageUrl=[userObject objectForKey:@"profile_image_url"];

    if ([self.images objectForKey:[userObject objectForKey:@"screen_name"]]) {
        cell.imageView.image=self.images[[userObject
objectForKey:@"screen_name"]];
    }
    else{
        dispatch_async(dispatch_get_main_queue(), ^{
            cell.imageView.image=nil;
        });
        NSMutableURLRequest *request=[[NSMutableURLRequest
alloc]initWithURL:[NSURL URLWithString:imageUrl]];
        [NSURLConnection sendAsynchronousRequest:request

```

```

                                queue:[NSOperationQueue mainQueue]
                                completionHandler:^(NSURLResponse *response,
NSData *responseData, NSError *error)
    {
        if (!error) {
            dispatch_async(dispatch_get_main_queue(), ^{
                // Foreground sync code
                [self.images setObject:[UIImage
imageWithData:responseData] forKey:[userObject objectForKey:@"screen_name"]];
                [self.tableView reloadRowsAtIndexPaths:@[indexPath]
withRowAnimation:UITableViewRowAnimationNone];
            });
        }
    }
    ];
}

return cell;
}

- (BOOL)tableView:(UITableView *)tableView canEditRowAtIndexPath:(NSIndexPath
*)indexPath {
    // Return NO if you do not want the specified item to be editable.
    return YES;
}

- (void)tableView:(UITableView *)tableView
commitEditingStyle:(UITableViewCellEditingStyle)editingStyle
forRowAtIndexPath:(NSIndexPath *)indexPath {
    if (editingStyle == UITableViewCellEditingStyleDelete) {
        [self.objects removeObjectAtIndex:indexPath.row];
        [tableView deleteRowsAtIndexPaths:@[indexPath]
withRowAnimation:UITableViewRowAnimationFade];
    } else if (editingStyle == UITableViewCellEditingStyleInsert) {
        // Create a new instance of the appropriate class, insert it into the
        array, and add a new row to the table view.
    }
}

@end

```