


rocQ ANALYTICS

iOS API INREGRATION

Setting rocQ SDK in iOS Project

- Go to <http://rocq.io/login>
- Click on **Register Now** to get yourself registered.



ROCQ ANALYTICS

Username

Password

[Register new user](#)

[Forgot password ?](#)

- Fill in all the required credentials and **Submit** to create your account.

CREATE YOUR ACCOUNT

*

*

*

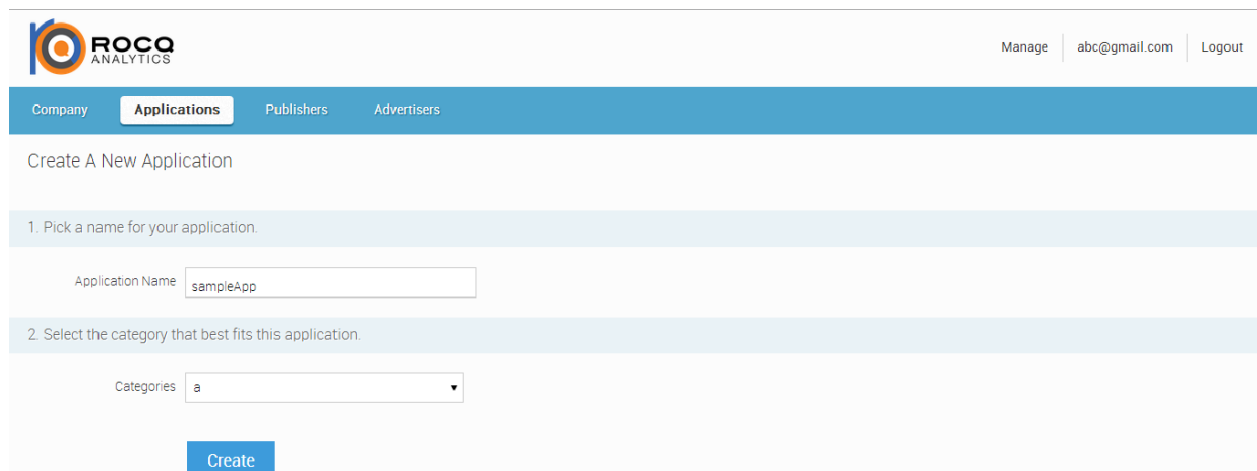
*

☐ I accept all [terms and conditions](#).

☐

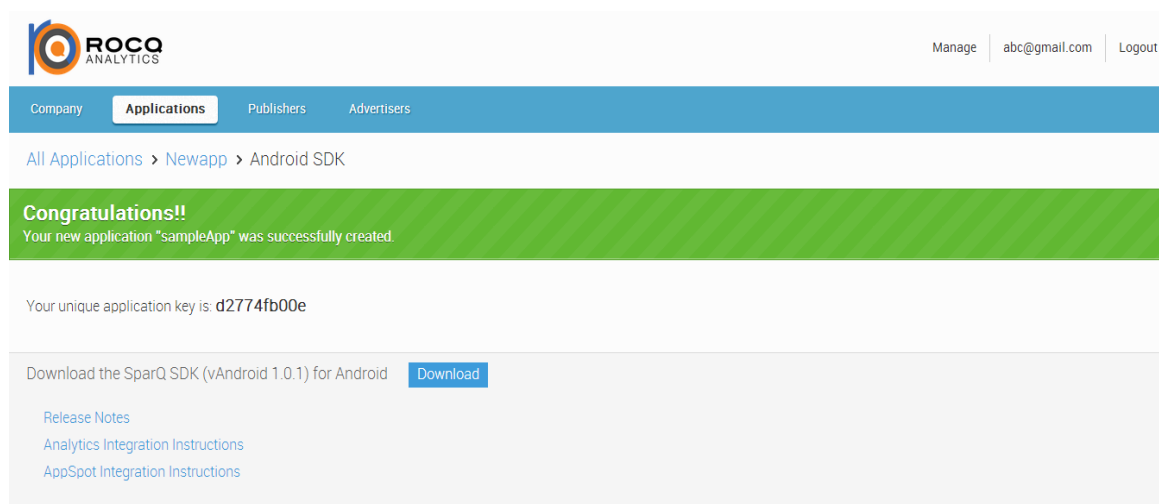
Submit

- Once you have successfully registered, you will be directed to your first page. Now, click on **Create A New Application**.



The screenshot shows the ROCQ Analytics web interface. At the top, there's a header with the ROCQ logo and navigation links: 'Manage', 'abc@gmail.com', and 'Logout'. Below the header is a blue navigation bar with tabs: 'Company', 'Applications' (selected), 'Publishers', and 'Advertisers'. The main content area is titled 'Create A New Application'. It contains two steps: 1. 'Pick a name for your application.' with a text input field labeled 'Application Name' containing 'sampleApp'. 2. 'Select the category that best fits this application.' with a dropdown menu labeled 'Categories' showing 'a'. At the bottom of the form is a blue 'Create' button.

- You will be assigned with a Unique Application Key of your app. This key helps rocQ identify your app. Now, download the rocQ SDK from the **Download** button provided at the bottom of the page.



The screenshot shows the ROCQ Analytics web interface after successful application creation. The header and navigation bar are the same as in the previous screenshot. The main content area has a green banner with the text 'Congratulations!!' and 'Your new application "sampleApp" was successfully created.' Below the banner, it displays 'Your unique application key is: d2774fb00e'. At the bottom, there's a section titled 'Download the SparQ SDK (vAndroid 1.0.1) for Android' with a blue 'Download' button. Below this are three links: 'Release Notes', 'Analytics Integration Instructions', and 'AppSpot Integration Instructions'.

- Now you have to integrate the rocQ iOS SDK in your Application.

rocQ iOS SDK integration steps

- 1) Importing headers
- 2) Linking static and dynamic libraries

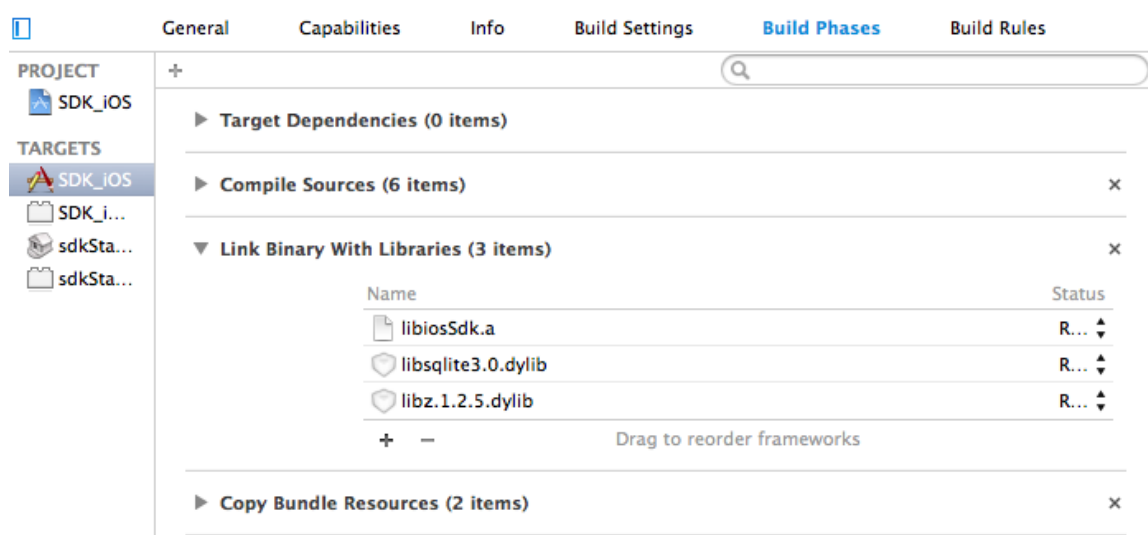
Step 1: Importing Headers

- i) Add **rocqAnalytics.h** file to your project.

Step 2: Linking static and dynamic libraries

Go to the **Build Phases** tab, followed by **Link Binary With Libraries** and add the following files

- 1) Static library file ROCQiosSdk.a that is in **Downloads** folder.
- 2) Dynamic library libsqlite3.0.dylib
- 3) Dynamic library libz.1.2.5.dylib



Using ROCQ iOS SDK for tracking:

Step 1: Import `rocqAnalytics.h` in `AppDelegate.h` file

```
#import "rocqAnalytics.h"
```

Step 2: Configure app secret that you got by registering your application in rocQ website. Add the below given code in `AppDelegate.m` file in `didFinishLaunchingWithOptions` method.

```
[rocqAnalytics setAppsecret:@"app secret"];
```

In the above code you have to replace “app secret” string with your Unique Application Key you have been provided with by registering your application at the rocQ website.

Step 3: For Tracking Sessions

For tracking sessions and screens put the following code in every **ViewController** (screen) in **ViewWillAppear** method.

```
[rocqAnalytics trackScreen:[NSStringFromClass([self class])];
```

You can track the screen by their names and parameters, whenever required. To track the screen, pass Screen name and properties in key-value pairs.

```
[rocqAnalytics trackScreen:@"screen name" properties:
```

```
@{@"screen":@"screen 1",@"content":@"ht media"}];
```

Parameters:

- **String <Screen Name>:** It is screen name in human-readable format such as “Show Details” or “Store page”.
- **properties <key>,<value> (optional):** The key-value pair consists of properties of screens, for example <items>,<10> or <movie>,<krish>. There can be N numbers of parameters.

Step 4: For tracking Event

You can track the events by their names and parameters, whenever required. To track the event, pass Event name, and properties in key-value pairs.

```
[rocqAnalytics trackEvent:@"event Name"  
properties:@{@"key1":@"value1",@"key2":@"value2"} position:  
CENTRE];
```

Parameters:

- **String <Event Name> :** It is event name in human-readable format such as “Buy Button” or “news list item”.
- **properties (optional) :** A dictionary which contains properties of the event. There can be N numbers of parameters in it.
- **Position (optional):** You can pass the position of an item where it is placed on the screen. It will be helpful in finding its relevant position. (TOP, LEFT, RIGHT, BOTTOM, CENTER).

Step 5:- Tracking User Identity/Information.

You can track the users with their username, email, age and other parameters, whenever required. To track the user, pass user name, and properties in key-value pairs.

```
[rocqAnalytics identity:@"anonym"  
properties:@{"key":@value",@key2:@value2"}];
```

Parameters:

- **String <User-Name>:** It is a user name in human-readable format like "abhi23".
- **properties (optional) :** It carries the properties of the user in key-value pairs. Example @{"email ID":@"*****@gmail.com",@city:@gurgaon",@age:@23"}
It can be N numbers of parameters.

Push notification Quick start Guide:

Tracking Push notifications:

Follow the below given steps to receive push notifications;

Step 1:

Please mail your push certificate and password for opening key file to **shashank.agarwal@hindustantimes.com**

Step 2:

Insert the following line of code in **didFinishLaunchingWithOptions** method of **AppDelegate.m** file to register for push notifications.

```
[[UIApplication sharedApplication]registerForRemoteNotificationTypes:  
(UIRemoteNotificationTypeBadge | UIRemoteNotificationTypeSound |  
UIRemoteNotificationTypeAlert)];
```

Step 3:

Insert the following method in **AppDelegate.m** file to set device token

```
-(void)application:(UIApplication*)application  
didRegisterForRemoteNotificationsWithDeviceToken:(NSData*)deviceToken  
{  
  
[rocqAnalytics setDeviceToken:deviceToken];  
  
}
```


Step 4:

Insert the following method in **AppDelegate.m** file to track push notifications.

```
- (void)application:(UIApplication*)application  
didReceiveRemoteNotification:(NSDictionary*)userInfo{  
  
    [rocqAnalytics trackPush:userInfo];  
  
}
```

Deep Linking:

Insert the following method in **AppDelegate.m** file to track deep linking.

```
-(BOOL)application:(UIApplication *)application openURL:(NSURL  
*)url sourceApplication:(NSString *)sourceApplication  
annotation:(id)annotation{  
  
    [rocqAnalytics deepLink:[url host]];  
  
    NSDictionary *deepLinkData=[[NSDictionary alloc]init];  
  
    deepLinkData=[rocqAnalytics parseQueryString:[url query]];  
  
    return YES;  
  
}
```

Setting Debug Mode:

To set the debug mode, insert the below given code in **AppDelegate.m** file in **didFinishLaunchingWithOptions** method:

```
[rocqAnalytics setRQDebugMode:YES];
```