

The Radius Networks beacon hardware supports [Google Nearby Notifications](#). As a courtesy to our customers, we have developed documentation explaining how to create these notifications using our hardware in conjunction with Google's Beacon Dashboard. Please follow the steps listed below carefully to get started.

There are three main steps in this process:

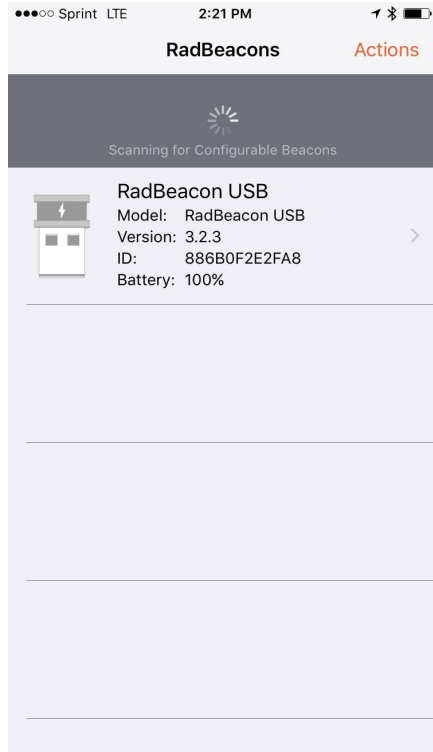
- 1.) Beacon configuration using Radius Networks' [RadBeacon Config app](#).
- 2.) Beacon Registration using Google's Beacon Tools app.
- 3.) Message Attachment using Google's Beacon Dashboard.

## Beacon Configuration

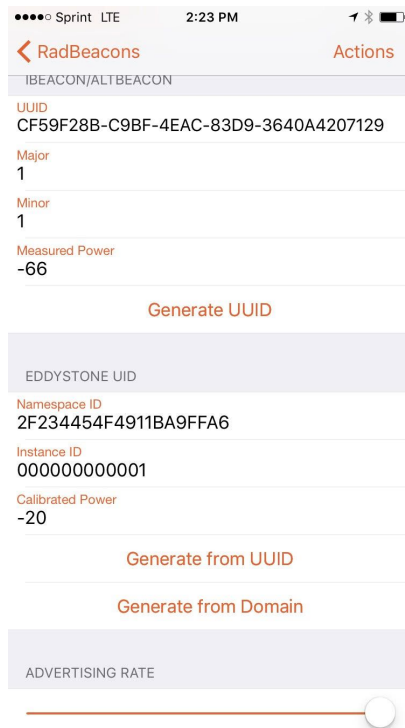
The goal of the beacon configuration step is to give your beacon a unique ID. When you receive your beacon, it comes with a default configuration. However, in order for you to register the beacon for Google Nearby, you need to ensure that you have generated a unique Namespace ID for your beacon. Below is the step for generating a unique namespace ID. ***(If you have more than one beacon, it is okay to re-use the same Namespace ID for them, as long as you increment the Instance ID).***

Note: I am using the RadBeacon USB to create this guide. If you are using a RadBeacon Dot, the steps are largely the same. You however will need to understand how the Dot buttons function and how to get your Dot into configurable mode. Please visit [this page](#) if you do not know how to get your RadBeacon Dot into configurable mode.

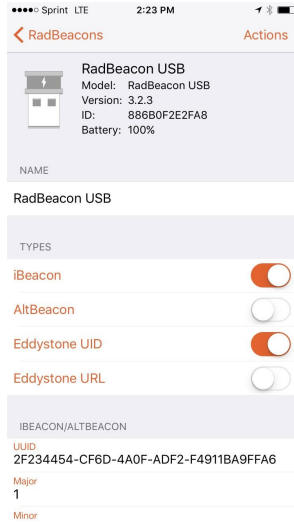
- 1.) Download the [RadBeacon Config app](#).
- 2.) Scan for your beacon as described [here](#). You should see it pop-up as shown in screenshot below after a few seconds.



3.) When you find your beacon, click on it. You should see a screen similar to the screenshot below.



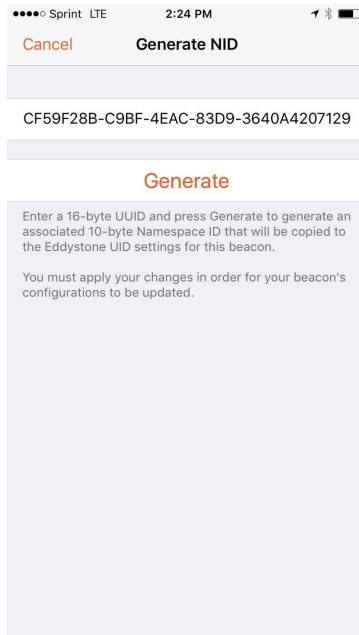
4.) In the config page, ensure that iBeacon and Eddystone UID are selected.



5.) Click “Generate UUID”.

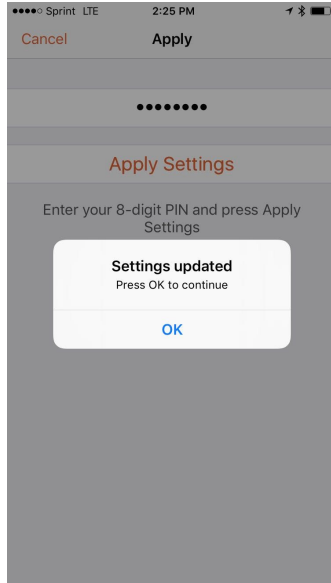
6.) Click “Generate from UUID”.

7.) Click “Generate”.



8.) Turn “iBeacon” off.

9.) Click “Actions”; Select “Apply”; enter your pin (Default pin: 00000000); Apply settings.

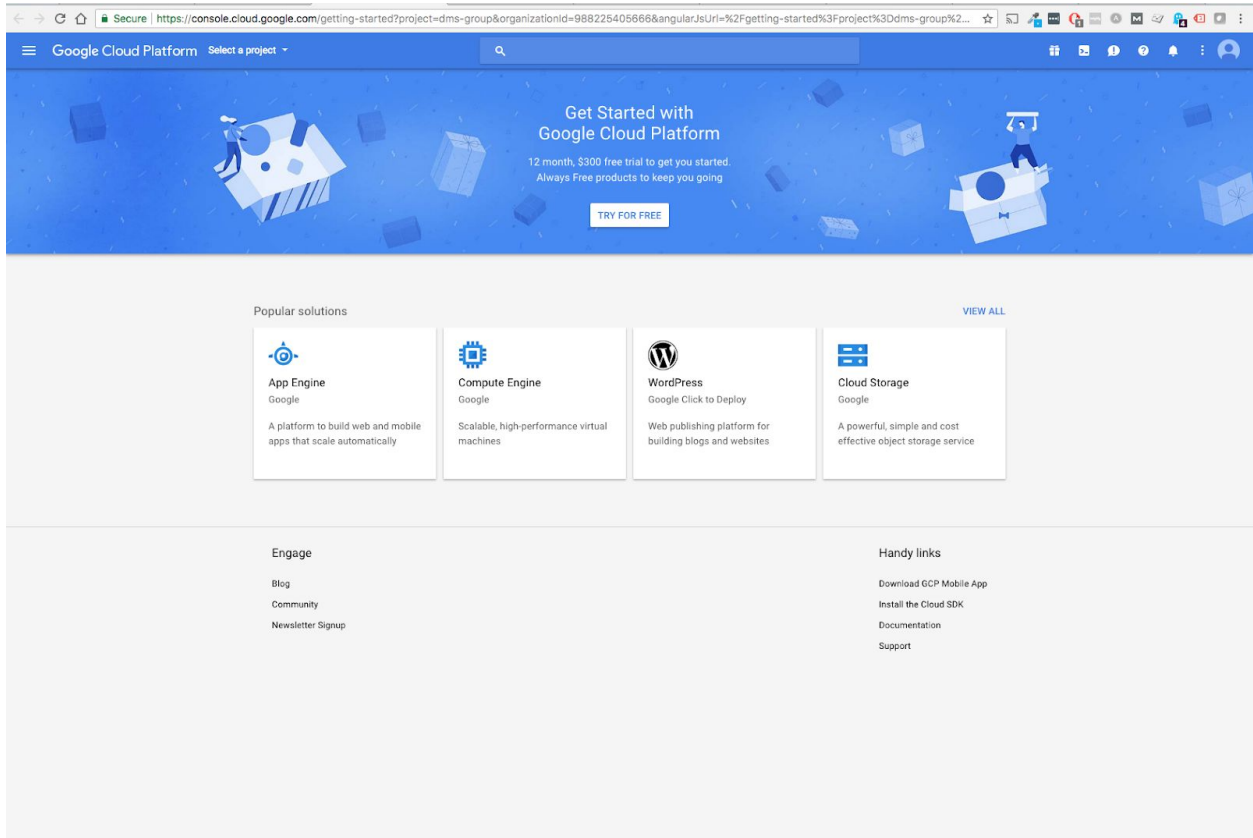


## Beacon Registration

If this is your first time setting up a beacon for Google Nearby Notifications, you likely do not have a Google Project setup yet. If you already have a Google Project that you will like to register your beacons with, skip to step 1 under “**Beacon Tools**” below.

Please follow the steps below to setup a Google project.

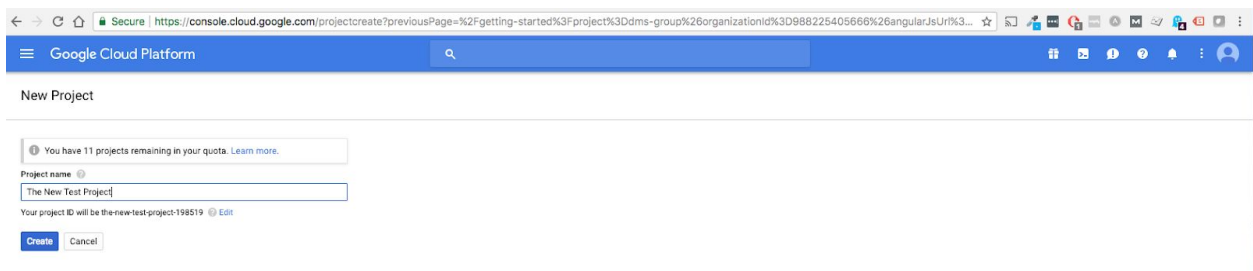
- 1.) Go to [console.cloud.google.com/start](https://console.cloud.google.com/start).
- 2.) On the top left corner, click on “Select a Project”.



3.) On the next page, click the “+” sign on the right to create a new project.



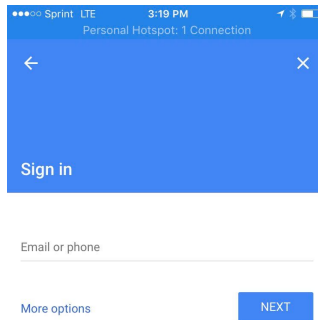
4.) Name the project and save it



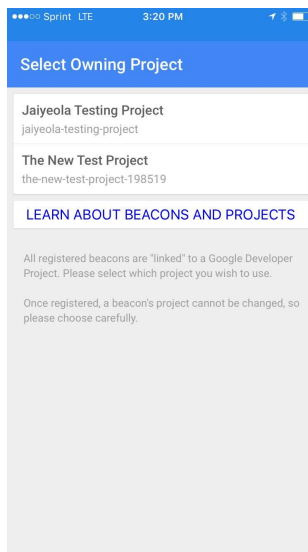
## Beacon Tools

Once you have created a Google Project, it is time to register your beacon using Google’s “Beacon Tools” mobile application. Please follow the steps below:

- 1.) After downloading the Beacon Tools app, login using the same account you used to setup your Google Project.

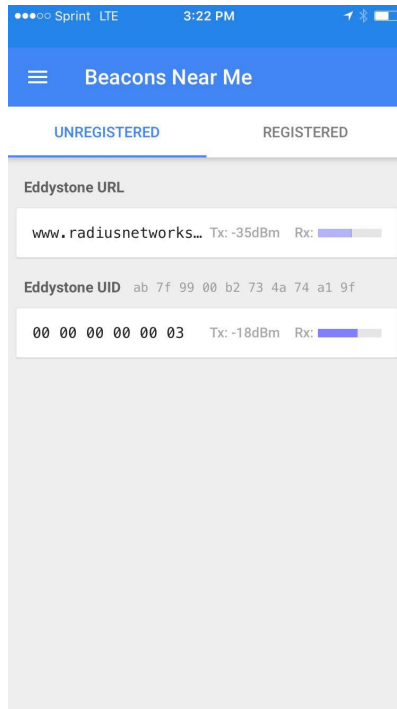


- 2.) On the “Select Owing project” page, select the project that you created.



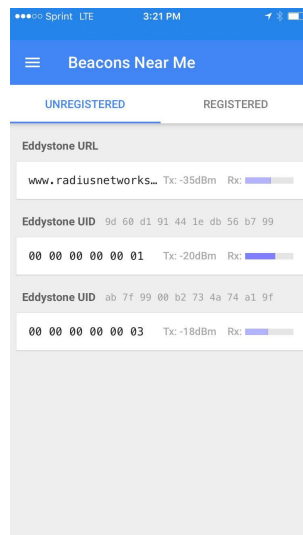
- 3.) On the “Beacons Near Me” page, you should see two tabs “Unregistered” and “Registered” (Note: you should not see anything else on this screen unless you have beacons turned on. In my case,

there are two items on the screen because there are two beacons turned on around me. However, the particular beacon I am registering is not yet on.)



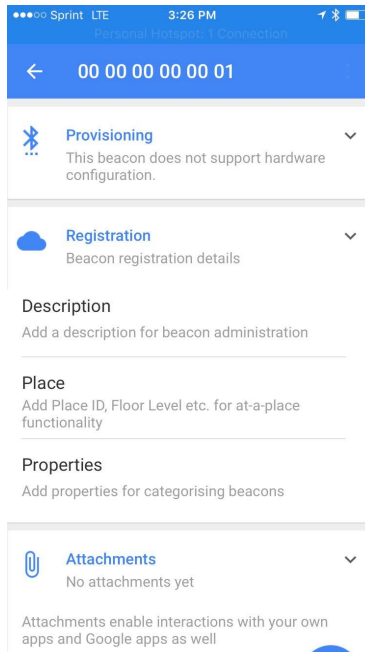
4.) Turn on the beacon you will like to register.

5.) When the beacon is on, you should see a new “Eddystone UID” and other info populate under “Unregistered” (see the third UID beacon in screenshot).

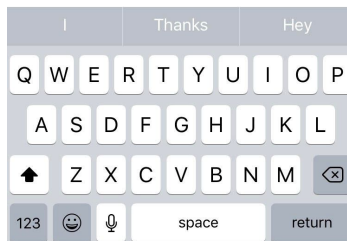
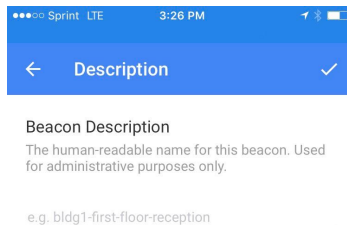


6.) Click on the beacon in order to register it.

7.) On the screen that shows up, you can ignore everything you see except “Description”.



8.) Click on Description and give your beacon a unique name.



9.) Click on the check mark to save the registration.

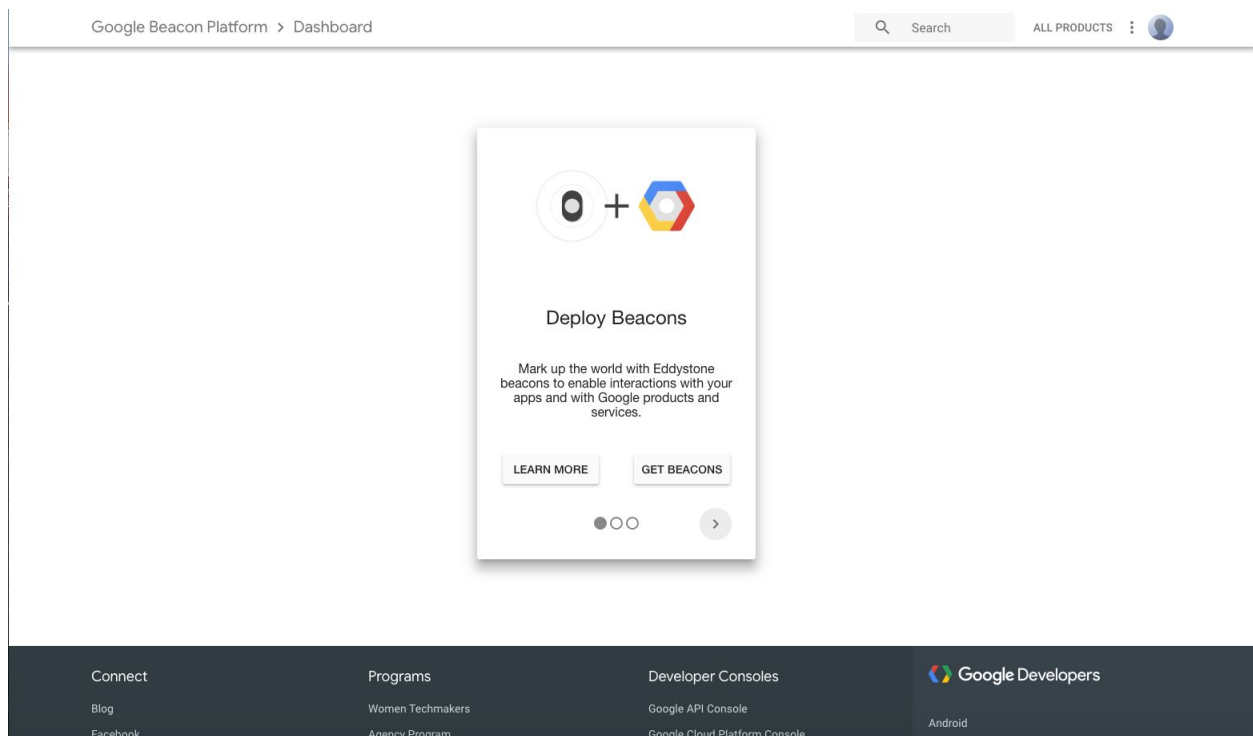
10.) You should no longer see the beacon under “unregistered” but if you click on “registered”, you should see your beacon listed there.



## Adding Nearby Notification

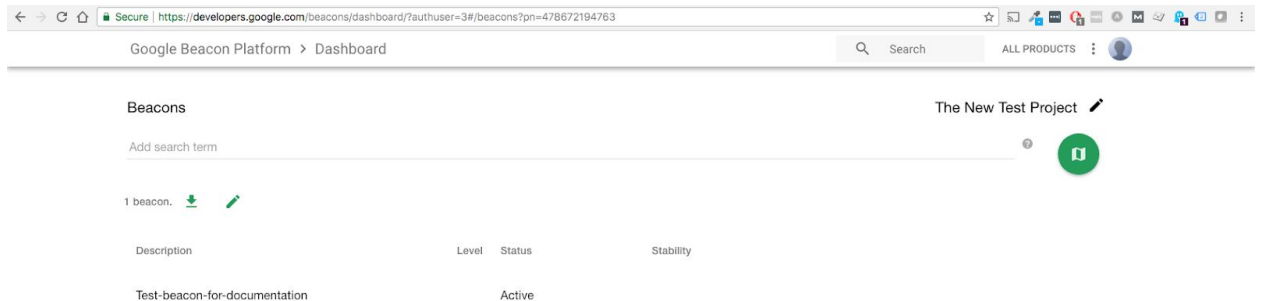
After you have successfully registered your beacon with Google, the next step is to add your URL and 40 character message to the beacon.

- 1.) Go to <https://developers.google.com/beacons/dashboard/>
- 2.) Ensure that you are logged in using the same email address you used for the beacon registration.
- 3.) If this is your first time you are visiting the dashboard, you will see the screen below.



- 4.) Click the right arrow until you get to the last page in the wizard then click the "Start" button.
- 5.) Grant access to your account by selecting the appropriate email address in the page that follows the screenshot above.
- 6.) Once you have granted access to your account, you will land on a page that lists all your projects.
- 7.) Click on the appropriate project to manage the beacons you have registered to the project.
- 8.) Ensure that you are in the correct project i.e the project you used for the registration. (Please see the top right corner for project name. If

you are not in the correct project, click on the pencil icon. In the screenshot below, you can see that I am in my “The New Test Project” project that I created in the Beacon Registration step).



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9.) If you are in the correct project, you should see the beacon that you had just registered (in my case, the beacon I registered was named “Test-beacon-for-documentation” as you can see in the image above).

10.) Click on that beacon name.

## 11.) Select "View details" and click "Nearby Notifications".

The screenshot shows the Google Beacon Platform dashboard. The main content area displays the details for a beacon named "Test-beacon-for-documentation". A dropdown menu is open, showing options for "details", "attachments", and "Nearby Notifications". The "Nearby Notifications" option is selected, and a confirmation message "works correctly!" is visible. The beacon details include a description, a place, stability, and property name/value fields. A map on the right shows the beacon's location on a globe. The footer contains links for Connect, Programs, Developer Consoles, and Google Developers.

## 12.) Fill out the fields for your notification, as in the attachment below.

The screenshot shows the Google Beacon Platform dashboard with the "Add a Nearby Notification" form. The form includes fields for Title, Language, Web URL, and Targeting rules. The Title field is filled with "Interested in discounts? Click here." The Language field is set to "en". The Web URL field is filled with "https://www.radiusnetworks.com". The Targeting rules field is set to "NEW". A "CREATE" button is visible at the bottom right.

## 13.) Click Create.

## 14.) Click “Save”



You are done. In order to test your notification, please follow the steps described [here](#). It is also vital that you read through Google’s [policies](#) and Google’s [FAQ](#) in detail, to fully understand the intricacies of Nearby.