

Getting your HummBox alert in your own CRM: example Trello

GreenCityZen: who are we:

GreenCityZen is an eco-startup that designs and sells technology solutions for the environmental measurement, addressed to its environmental industrial customers and the smart and sustainable cities. *GreenCityZen* develops the Humm solution "IoT for the environment" an innovative solution for the management and control of environmental sensors fleets, cost effective, scalable, and natively interoperable.

What is HummBox device:



The HummBox is a multiple sensor connected device provided by **GreenCityZen**.

HummBox provides advanced IoT monitoring solution of soil moisture and temperature. Its low cost, low power and easy scalability allow to address new fields of applications such as rainwater management performance in smart cities, irrigation precisions and decision for golfs, green areas and agriculture.

What is Trello:

Trello is a collaboration tool that organizes your projects into boards. In one glance, Trello tells you what's being worked on, who's working on what, and where something is in a process.

Overview:

In order to be instantly notified in your CRM (trello) by your HummBox device alert, this recipe offers you a way to start using trello and show you how to get your device alert in new card.

Requirements:

GCZ HummBox device.

Trello account.

Audience and Skill level:

Beginner: This recipe is done for GreenCityZen customers.

Step 1: Create your Trello account and get your Key and Token:

1-Connect to <https://trello.com>.

2-Create your account then log in to the site.

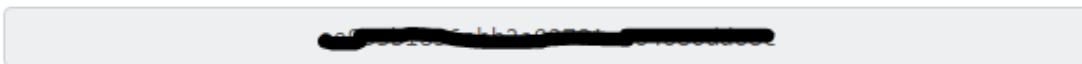
3-In order to format the url that you will send to GreenCityZen administrators you have to get and memorize your key and token:

a- To get your key you have just to paste this url in your browser:

<https://trello.com/app-key>

Developer API Keys

Key:

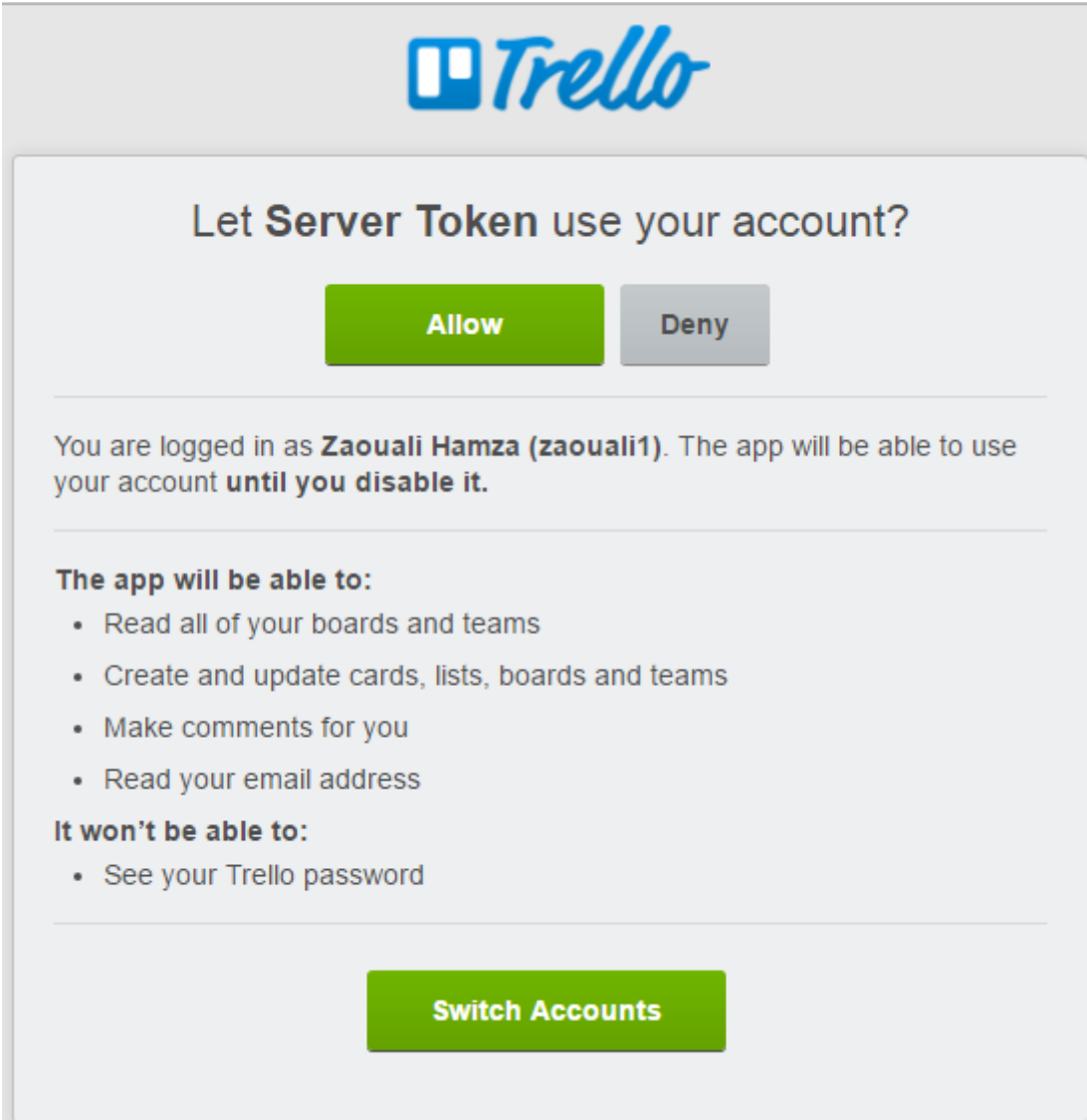


Token:

Most developers will need to ask each user to [authorize](#) your application. If you are looking to build an application for yourself, or are doing local testing, you can manually generate a [Token](#).



b- Save your key then press “Token” in order to get your token.



c- Click on “Allow” to get your token:

You have granted access to your Trello information.

To complete the process, please give this token:

CONFIDENTIAL

Remark:

In order to format your URL you have to save your Key and your Token, unless to have to repeat step 1 to get them.

Step 2: Get HummBox alert on your trello dashboard:

1-The first step you have to format the URL that permit you to create new card in chosen list:
example:

```
https://api.trello.com/1/cards?key=<yourKey>&token=<yourToken>&name=<yourCardname>&desc=<Description>&idList=<Listid>
```

Remark:

If you want to get the device ID in the card name, you have to insert in the name field 'deviceId',
example:

```
https://api.trello.com/1/cards?key=<yourKey>&token=<yourToken>&name=HummBox+DeviceId+on+Alert&desc=You+Have+a+HummBox+On+Alert&idList=<Listid>
```

In order to get your list ID you can use this URL:

```
https://api.trello.com/1/boards/<yourBoardID>/lists?key=<yourKey>&token=<yourtoken>
```

To get more information about the different possible post URL you can visit:

```
https://developers.trello.com/advanced-reference/
```

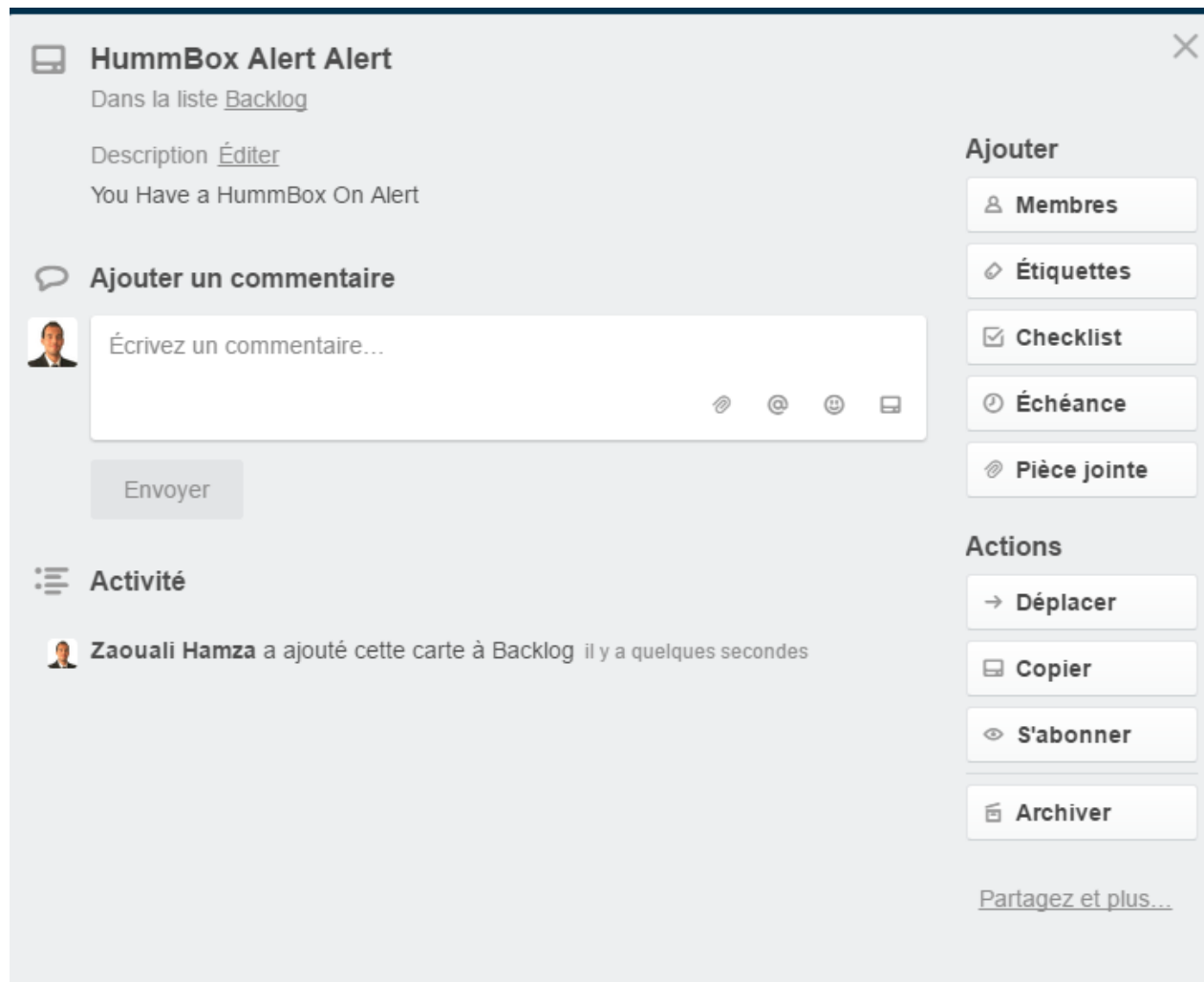
2-After editing your URL you have to send it to GreenCityzen in order to be taken into consideration.

3- Connect on the web app, and choose the device to which you want receive alert on trello and:

- Put the field alert ON.
- Select URL in the field Alert Type.

Alerte	<input checked="" type="checkbox"/>
Open Data	<input type="checkbox"/>
Type d'alerte	<input type="radio"/> Email <input type="radio"/> SMS <input checked="" type="radio"/> Url

4-Example of execution in case of you have alert:



Conclusion and further remarks:

In this recipe we have seen how to get your HummbBox alert on trello, but if you are using another CRM, the only difference is the URL that you will send to GreenCityZen administrators. Thus you can format the api post URL proposed by your crm and send it to GCZ, and do not forget to put "DeviceId" in your message.