

IFTTT Manual

Battery UP

Manage your applets thanks to IFTTT



Create interactions between your connected appliances and your battery.

Thanks to the **IFTTT** service, you will interact with your appliances, your solar production, your battery storage, ... These strings of instructions are called «**Applets**».

IFTTT stands for «If this then that». Simply said, it's a way to connect and automate your smart equipment. The **IFTTT** app and **web app** allow you to trigger actions according to certain requirements to be set in the **Battery UP** app.

Create scenarios with **IFTTT**

IFTTT allows you to activate or deactivate your smart appliances depending on the state of charge of your battery.

Real-time battery power status

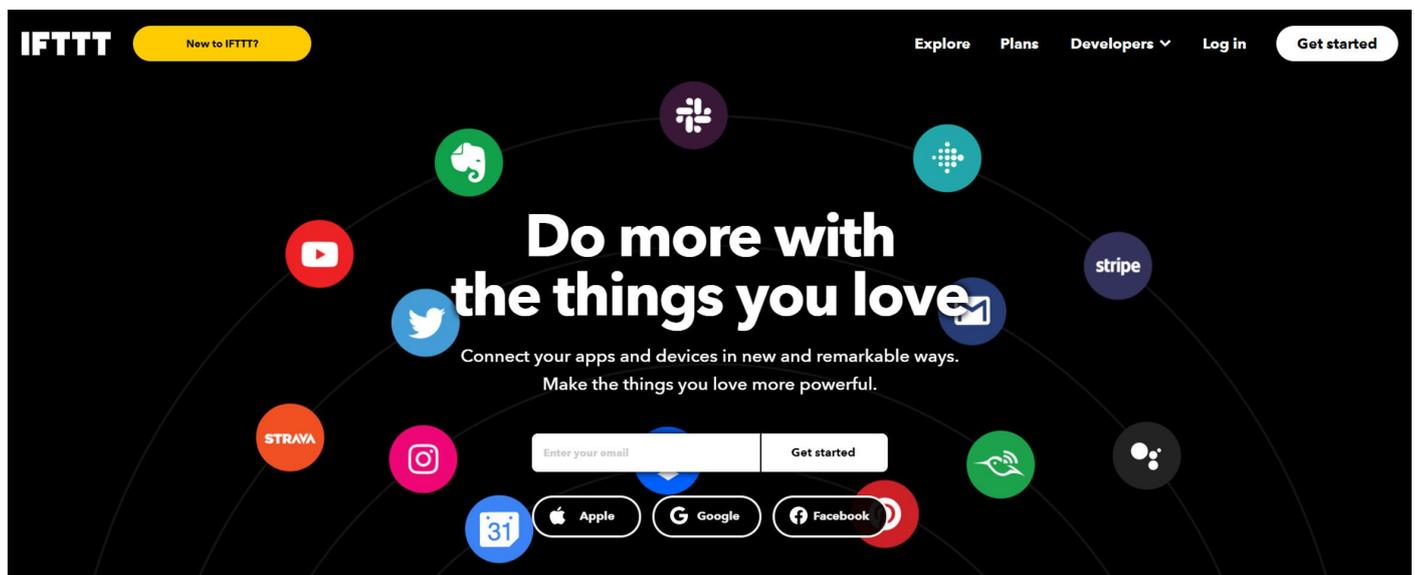
Check your battery settings wherever you are.

Light provides an indication of the state of charge

With **Hue Light**, you can choose the intensity and colorimetry of a light bulb to indicate the state of charge of your battery.

Steps to manage and create your Applets

- Register and log in at: <https://ifttt.com/>



- Once you have logged in to the **IFTTT** website, go to «**My Applets**» in the top right menu bar.

IFTTT

Watch IFTTT on YouTube

STEP 1**My Applets**

Explore

Developers ▾

Create

Manage your Applets

You can scroll through a list of them here or create your own. [Learn more](#)

Got it

My Applets

🔍 Filter

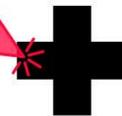
- Click on «**+ Create**» to generate your Applets.

Get an email
with the latest
IFTTT updates

by IFTTT

 Connect

👤 73.7k

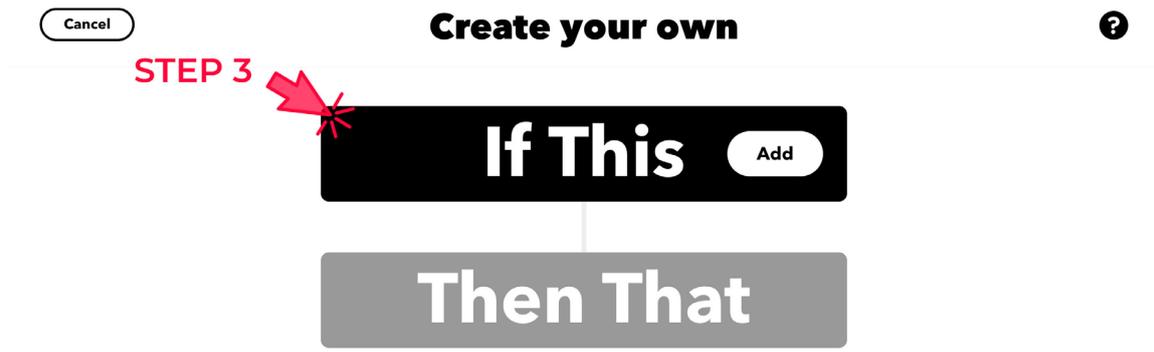
**STEP 2****Create**

- Then click on **«If This add»**.

This step will allow you to create a connection between your **Battery UP** appliance and **IFTTT**.

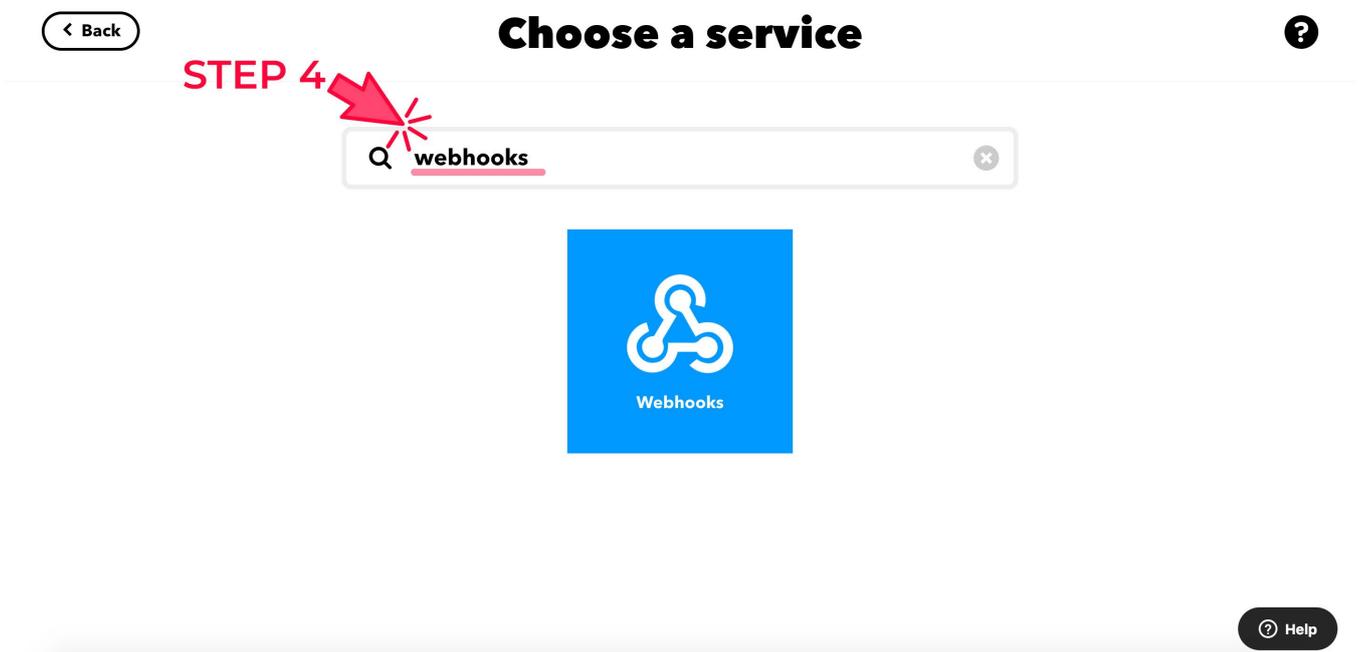
This will give you the information you need to trigger the events you want.

This service will allow you to define a state/status and then generate a reaction to it.



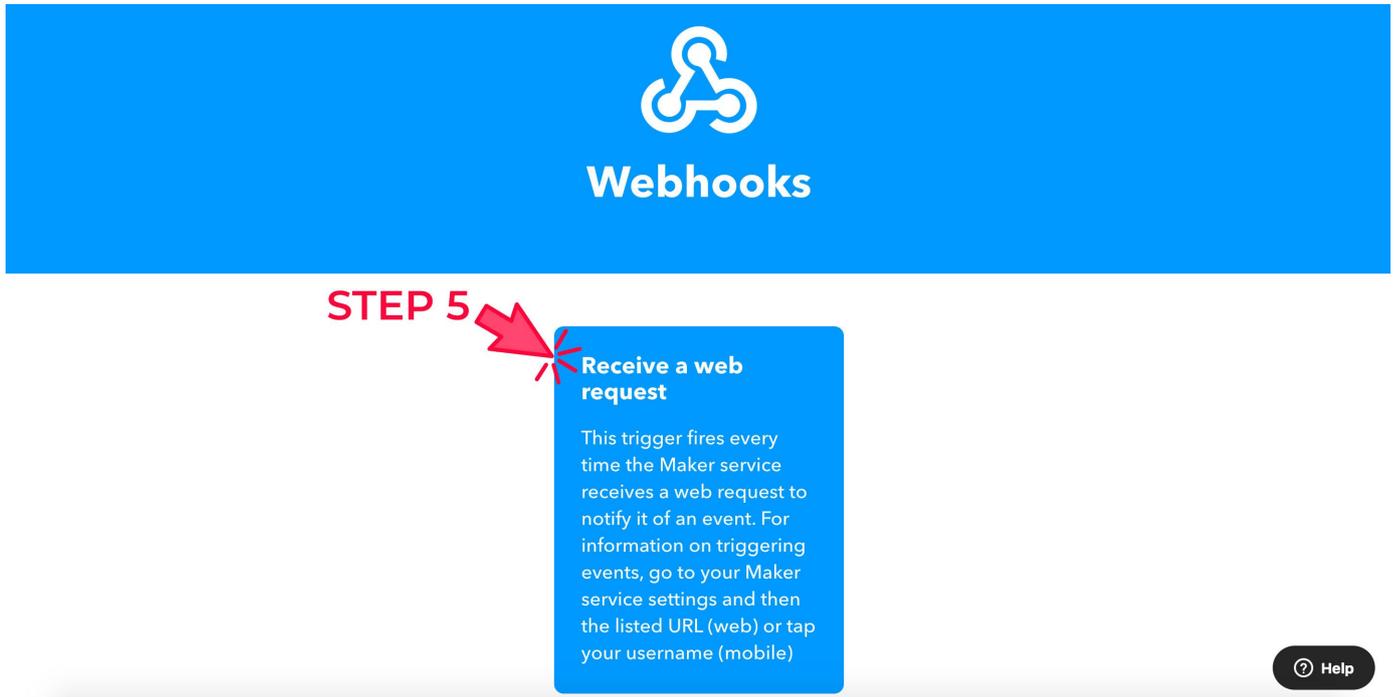
- Select **«Webhooks»** from the suggested choices of services in the **«Choose a service»**.

A webhook is a way to enhance or modify the content of a web application with customised reminder features.

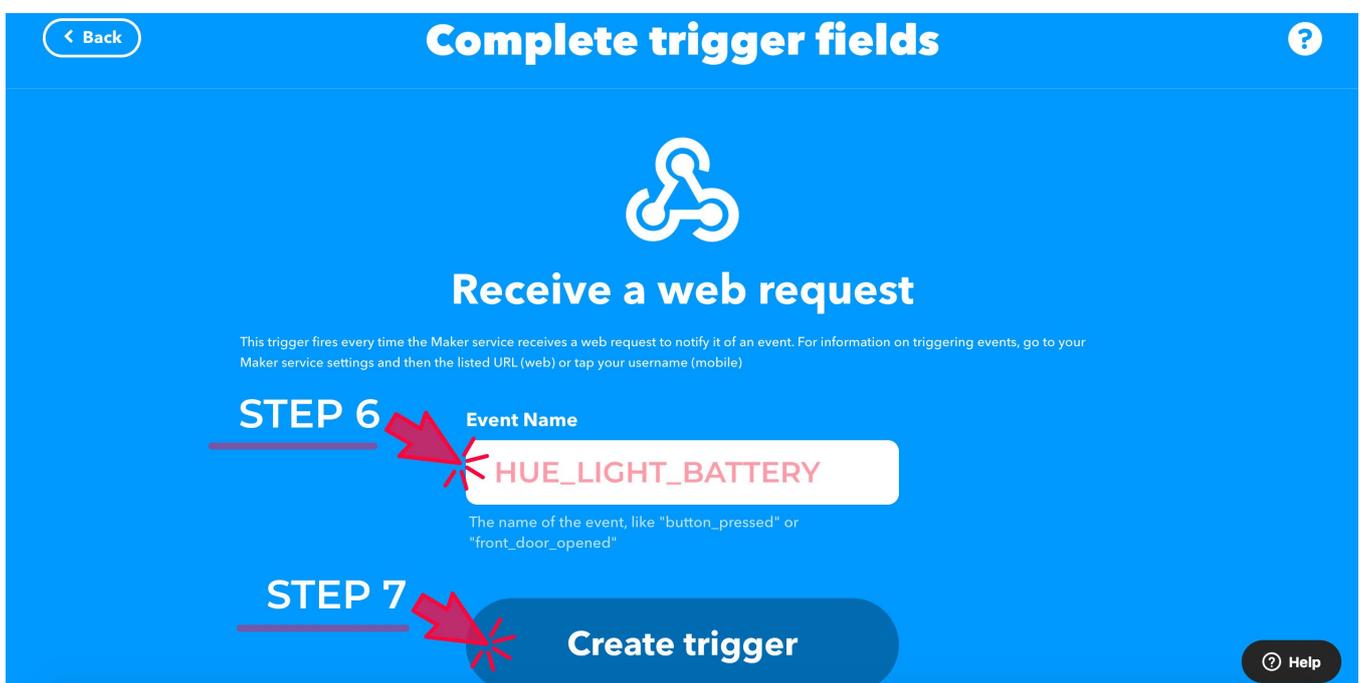


- Choose **«receive a web request»**.

To trigger a web request that will notify you of an upcoming event



- Give the event a number (e.g., HUE-LIGHT-BATTERY) and click on **«create trigger»**.



- Click on «**then that add**».

To create a reaction/action according to the event you previously defined in «**If This add**».

Cancel **Create your own** **?**



STEP 8

If Receive a web request Edit Delete

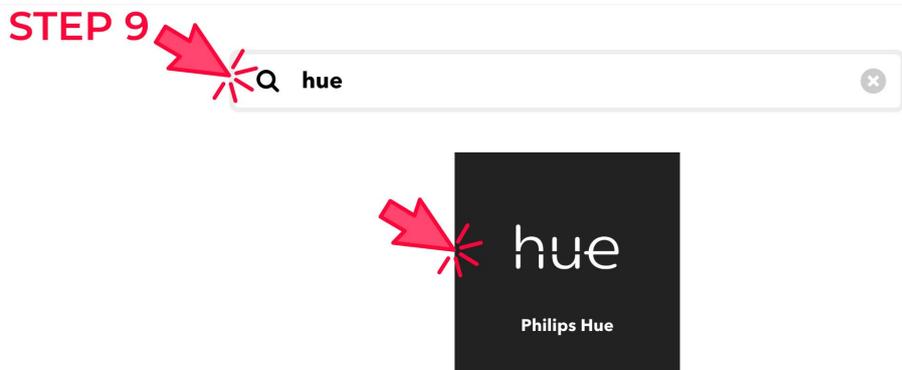
+

Then That **Add**

? Help

- Look for the service to use
For example, change the colour of a hue light according to the battery level.

< Back **Choose a service** **?**



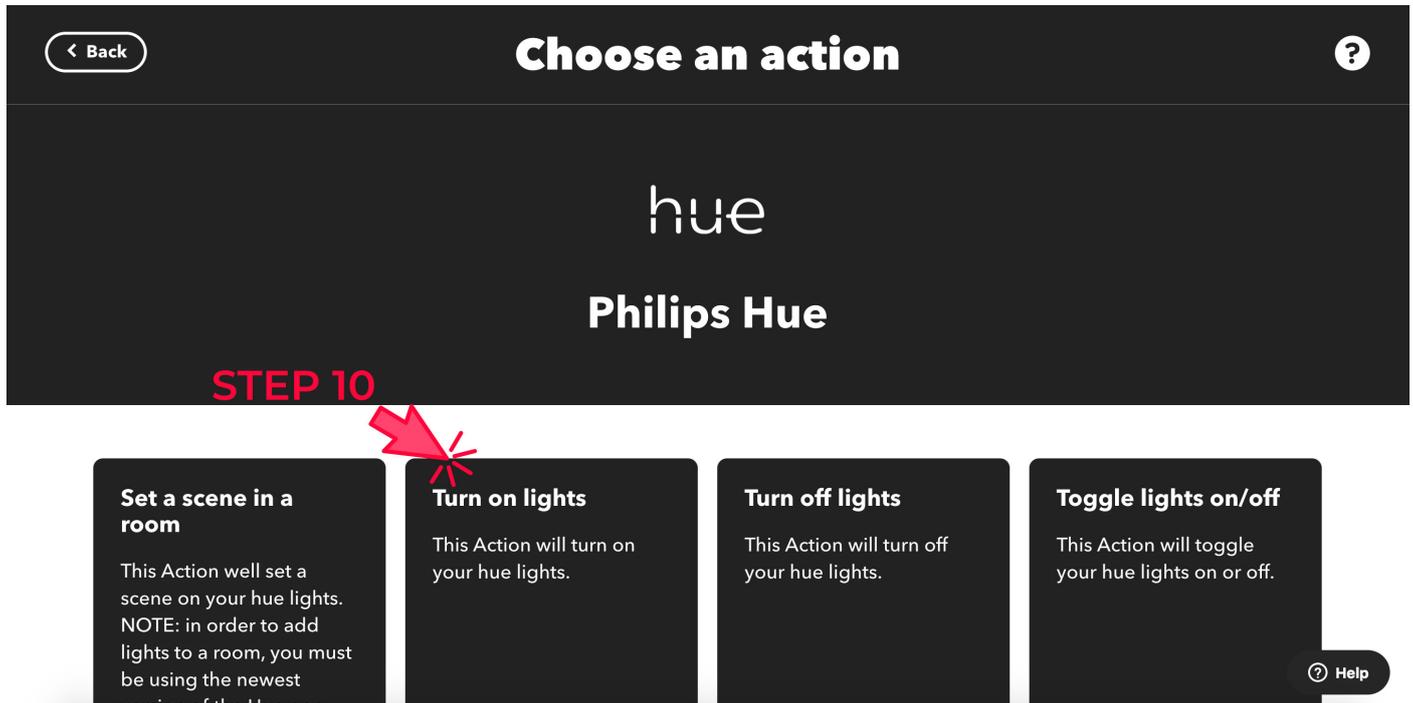
STEP 9

Q hue

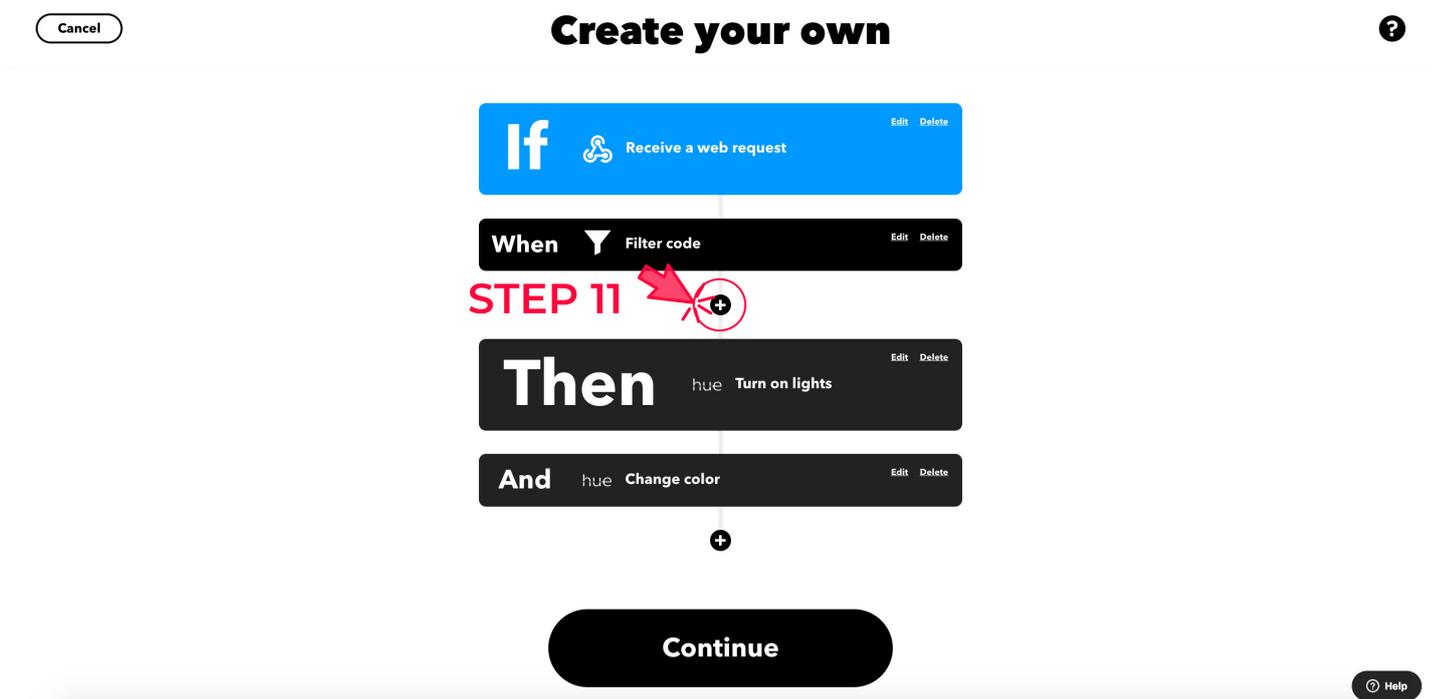
hue
Philips Hue

? Help

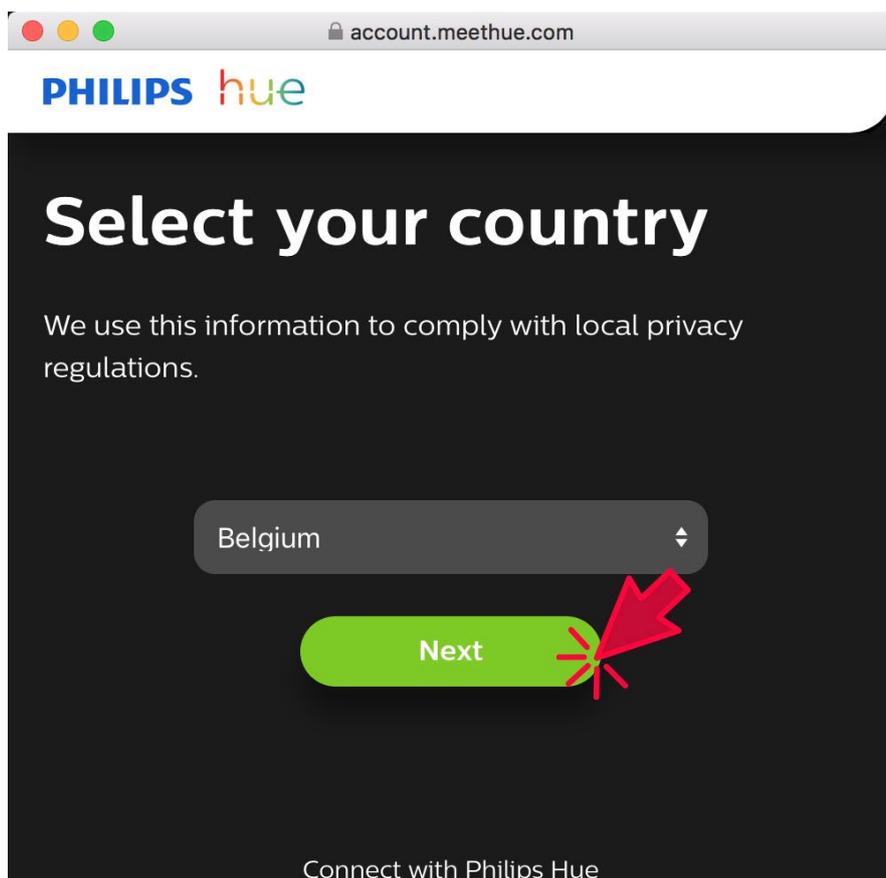
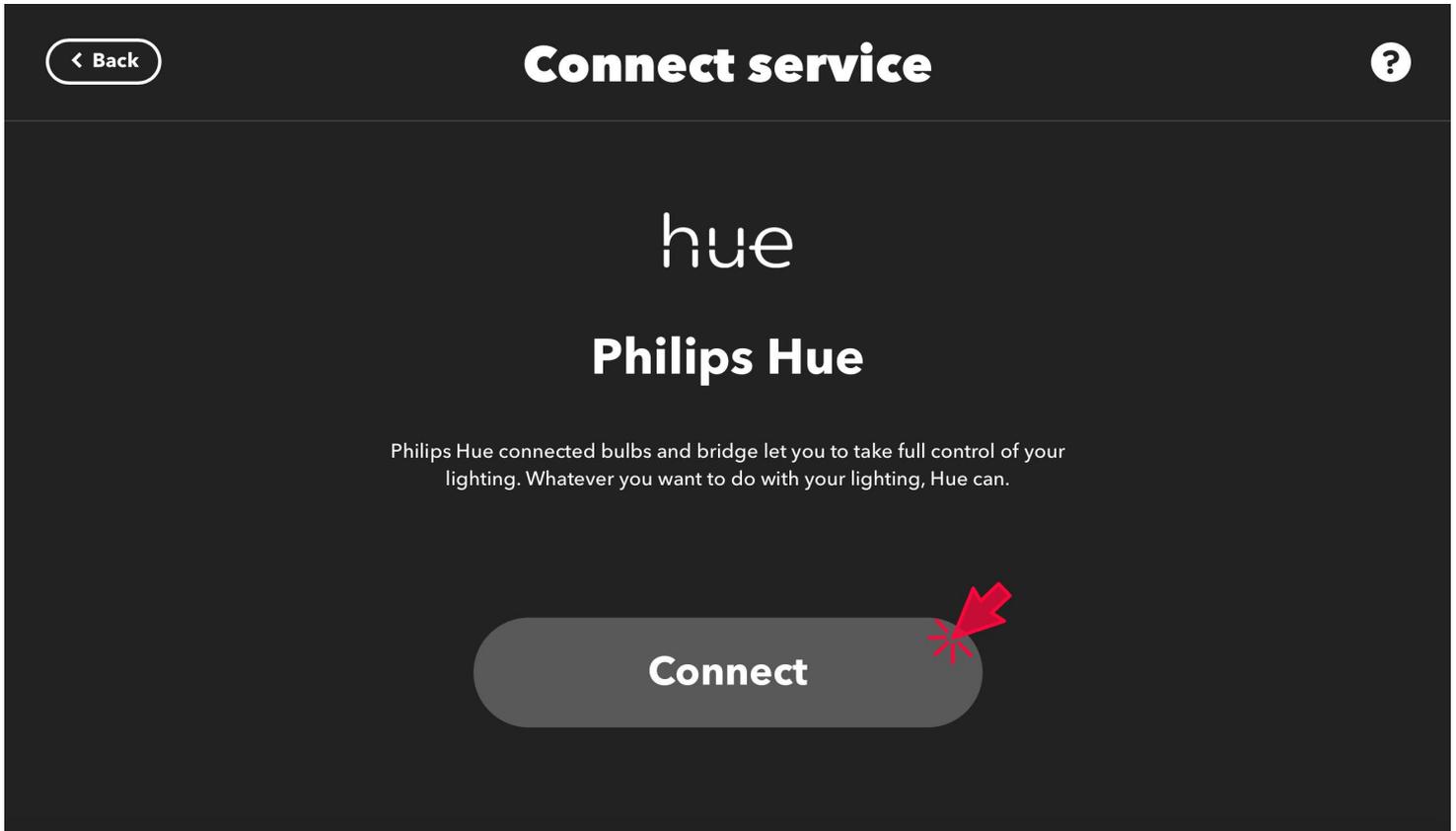
- Select the action related to the service you want among the proposals.



- When you have selected your service, click on the «+» between the «If» and «Then».



- To use the services on **IFTTT** you need to bind your **IFTTT** and **Philips** accounts as follows:



- Then click on **«add filter»**.

This stage involves adding conditions that will determine actions.

For example, define the change of colour of the lamp according to the charge of the batteries. We can specify that above 70% the lamp will become green, below 30% red and between the two white.

Cancel

Create your own

?

If
Receive a web request
Edit Delete

Add query Query a subset of data

Add filter Filter your result set.

Then
hue Turn on lights
Edit Delete

+

STEP 12



< Back

Add filter code

?

Filter Code

Write JavaScript code to override action fields and skip actions. All actions will run unless you explicitly skip them. Check out [this help center article](#) for more information and examples.

1

CODE (SEE EXAMPLE)

Trigger data

```
MakerWebhooks.event.EventName
MakerWebhooks.event.Value1
MakerWebhooks.event.Value2
MakerWebhooks.event.Value3
MakerWebhooks.event.OccurredAt
```

Actions

```
Hue.turnOnAllHue.skip()
Hue.setColorAllHue.skip()
Hue.setColorAllHue.setColor()
```

Other

```
Meta.currentUserTime
Meta.triggerTime
```

The code depends on the selected service. The possible actions are connected to the selected service. In the case mentioned above in **step 9 and 10**, we had selected as service: **«HUE»**. Most of them have skip actions.

STEP 13

Create filter

- **On the Battery UP «Alerts»** page you can set a minimum and maximum threshold for your rules.

Here is an example of code to vary the colour of a Philips Hue lamp.

The first line, called «testValue», is used to retrieve the value sent.

This value will be equal to 1 on the battery if it is above the maximum threshold, -1 if it is below the minimum threshold and 0 in other cases (between the two thresholds).

```
let testValue = parseInt(MakerWebhooks.event.Value2);
```

```
if(testValue === 1){
```

```
  Hue.setColorAllHue.setColor('green');
```

```
}
```



We create a variable called **«testValue»** which determines that if the value is equal to 1 the lamp must be **green**.

```
else if(testValue === -1) {
```

```
  Hue.setColorAllHue.setColor('red');
```

```
}
```



If the value is **-1**, the lamp becomes **red**.

```
else {
```

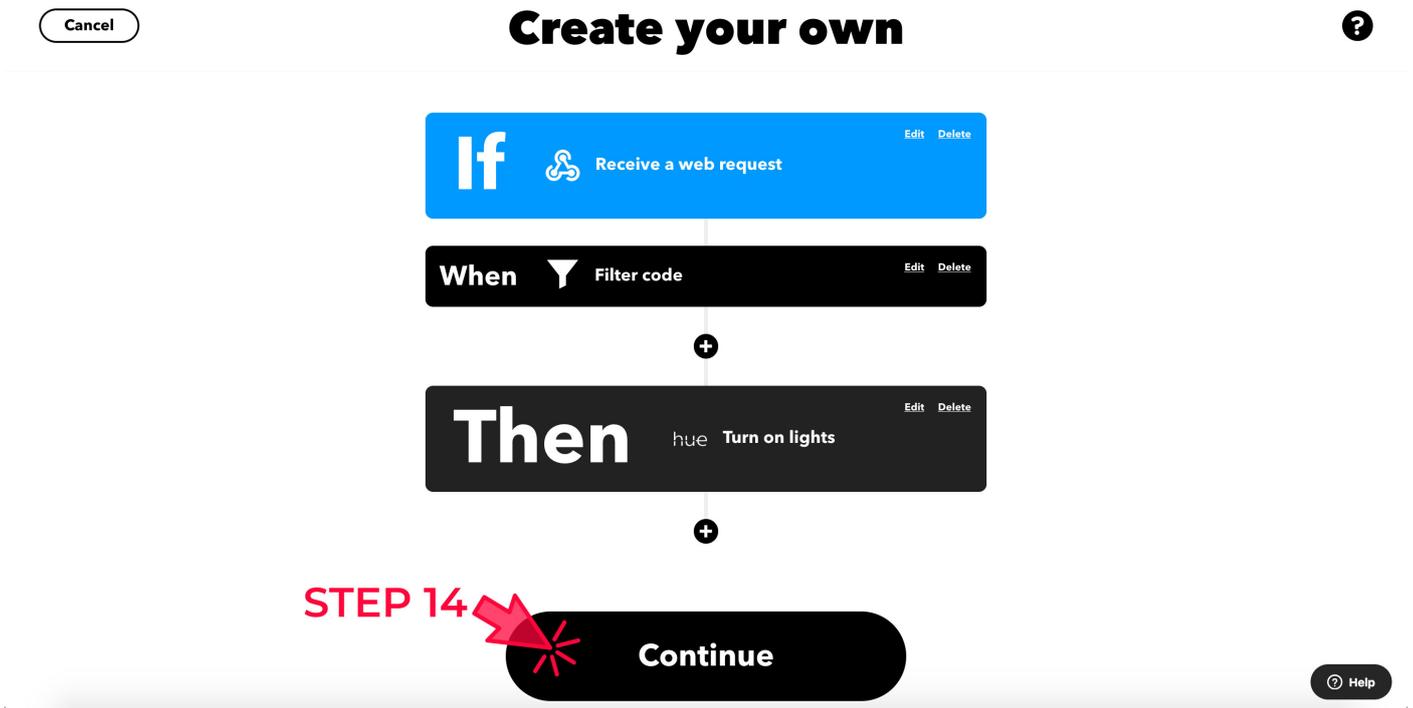
```
  Hue.setColorAllHue.setColor('blue');
```

```
}
```



In **other cases**, the light is **blue**.

- Once the filters are selected, press «Continue».



Create your own

If Receive a web request

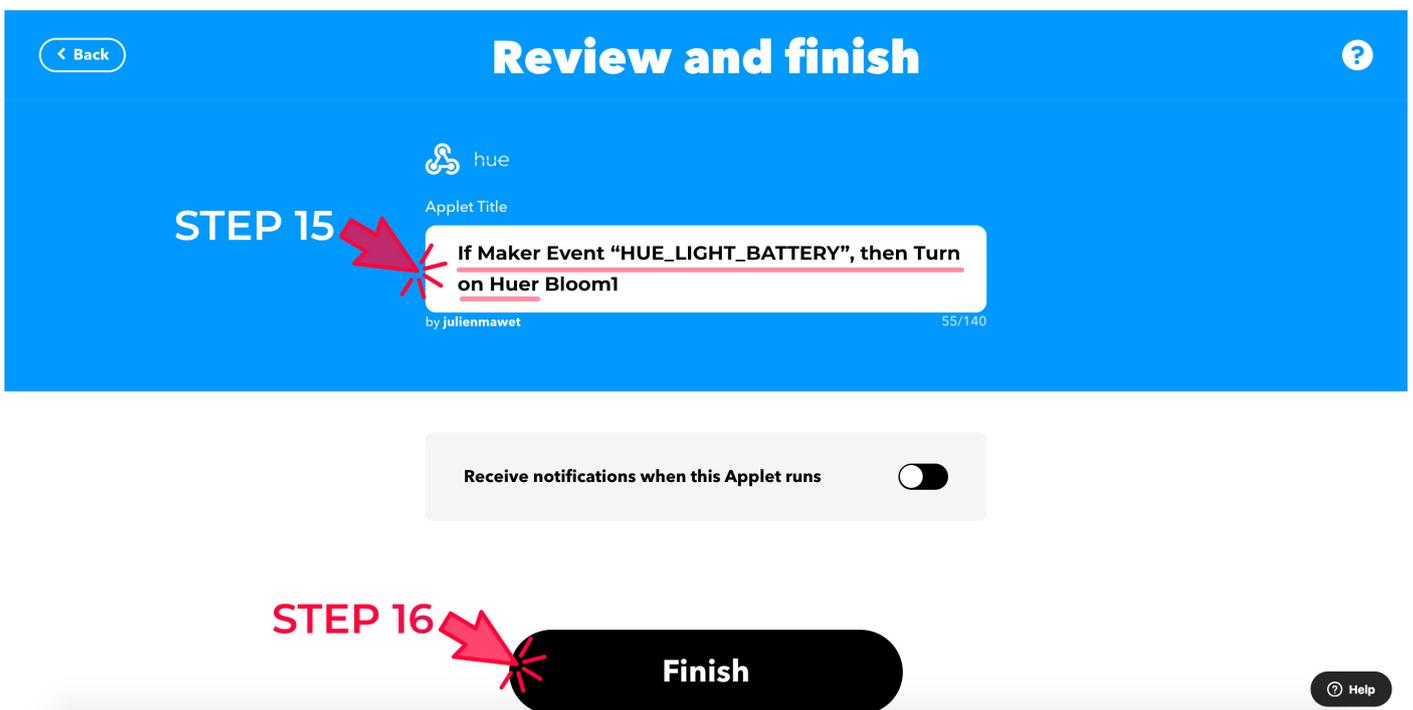
When Filter code

Then hue Turn on lights

STEP 14 Continue

- To conclude, you need to name your **Applet** (it will appear in the list of applets) and click on «Finish».

The title «**HUE_LIGHT_BATTERY**» is the number we gave in the previous stage n°6



Review and finish

hue

Applet Title

STEP 15 If Maker Event "HUE_LIGHT_BATTERY", then Turn on Huer Bloom1

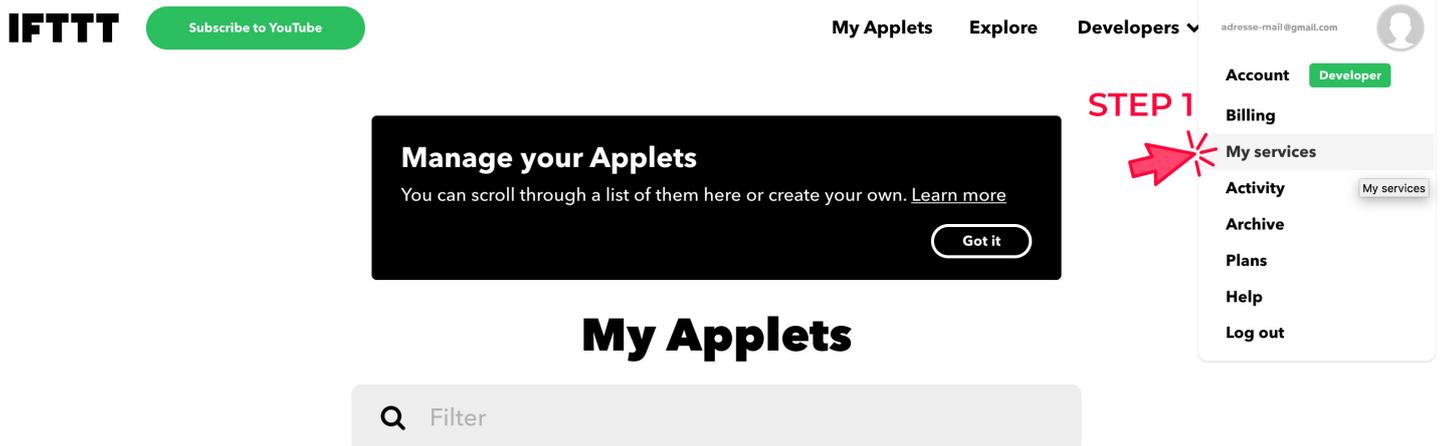
by julienmawet 55/140

Receive notifications when this Applet runs

STEP 16 Finish

How to find the URL to send to the Battery UP website

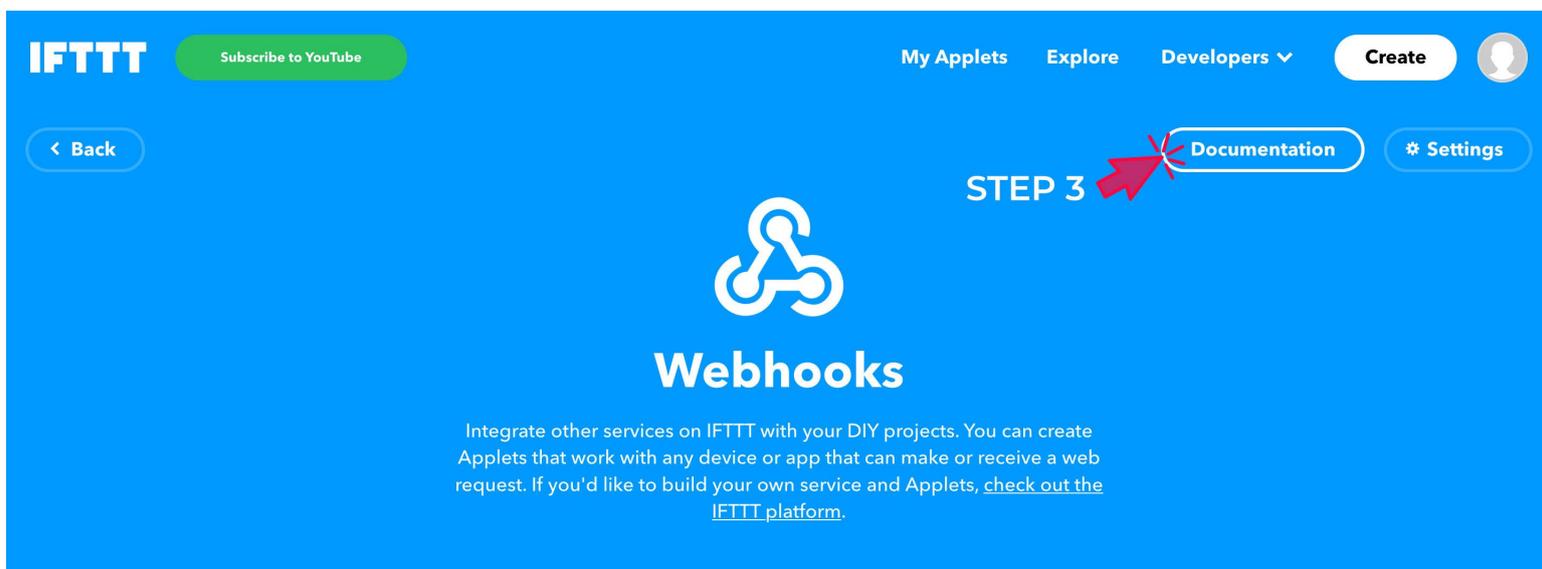
- When you are logged into your account, go to the menu in the top right-hand corner and click on **«My services»**.



- Scroll down until you find **«Webhooks»**, then select it.



- Click on **«Documentation»** at the top right.



- You need to retrieve, modify and send the «**event**» URL.

Replace the bold **{event}** in the URL with the name you gave to your event in **step 6** (shown above).

In the example in **step 6**, we named it as follows: «**hue_light_battery**» Once you have done this step, retrieve this URL (copy it) and place it (paste it) in your **Battery UP** account.



Your key is: **xxXx1xXxx1xxXX11xxXx_Xx1**

[← Back to service](#)

To trigger an Event

Make a POST or GET web request to:

STEP 4

`https://maker.ifttt.com/trigger/{event}/xxXx1xXxx1xxXX11xxXx_Xx1`

`https://maker.ifttt.com/trigger/hue_light_battery/with/key/xxXx1xXxx1xxXX11xxXx_Xx1`

With an optional JSON body of:

```
{ "value1" : "[ ]", "value2" : "[ ]", "value3" : "[ ]" }
```

`https://maker.ifttt.com/trigger/hue_ligth_battery/with/key/xxXx1xXxx1xxXX11xxXx_Xx1`

The data is completely optional, and you can also pass value1, value2, and value3 as query parameters or form variables. This content will be passed on to the action in your Applet.

You can also try it with `curl` from a command line.

```
curl -X POST https://maker.ifttt.com/trigger/{event}/with/key/d10knU9EV5bpD0b1Is7_Gi
```

Please read [our FAQ](#) on using Webhooks for more info.

Test It

- Placer l'URL (que vous avez copié précédemment) dans la partie Place the URL (that you copied earlier) in the «**IFTTT Webhook URL**» part of the **Alerts** page below the settings in the **Battery UP** site.

default

<input checked="" type="checkbox"/>	Etat de charge - seuil minimal (en %)	Etat de charge - seuil minimal (en %)	
	<input type="text" value="30"/>	<input type="text" value="70"/>	

pylontech-warning-email

<input type="checkbox"/>	Etat de charge - seuil minimal (en %)	Etat de charge - seuil minimal (en %)	
	<input type="text" value="1"/>	<input type="text" value="100"/>	

<input checked="" type="checkbox"/>	IFTTT Webhook URL	
	<input type="text" value="https://maker.ifttt.com/trigger/hue_ligth_battery/with/key/xxXx1xXxx1xxXX11xxXx_Xx1"/>	

STEP 5



Contact

If you have any questions, please feel free to contact us by email or phone.
We are available from Monday to Friday from **8.30am to 4.30pm**



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