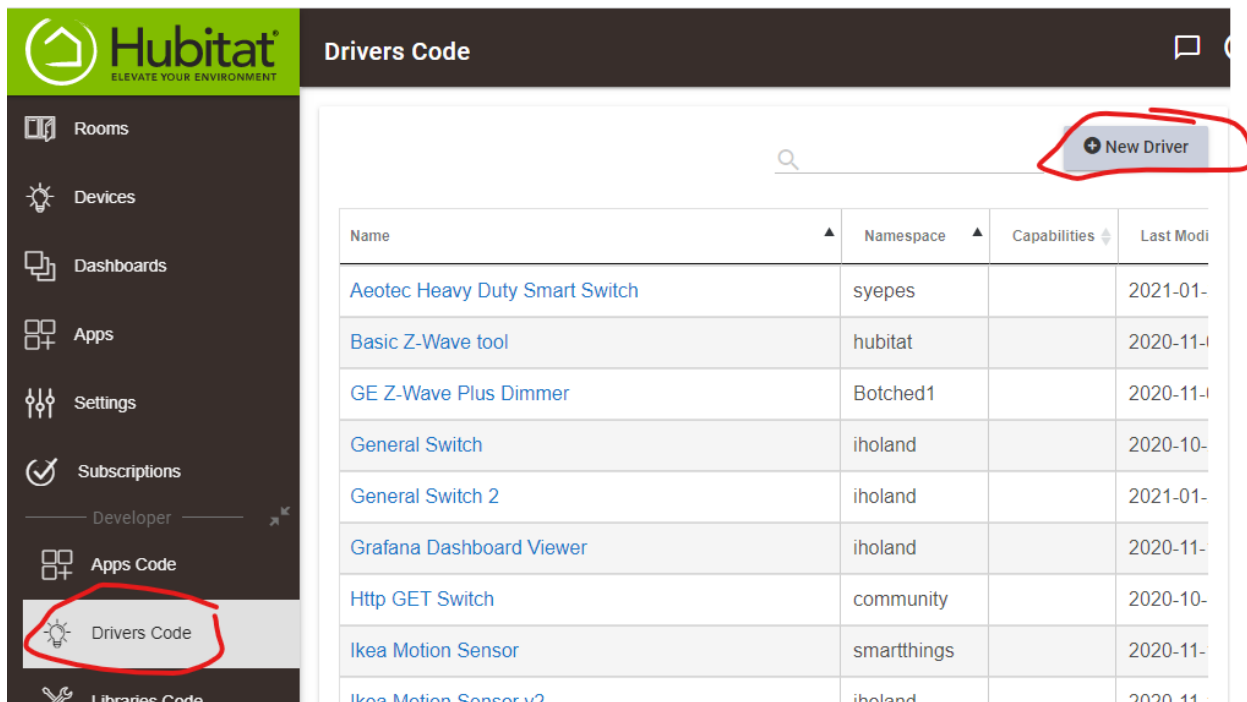
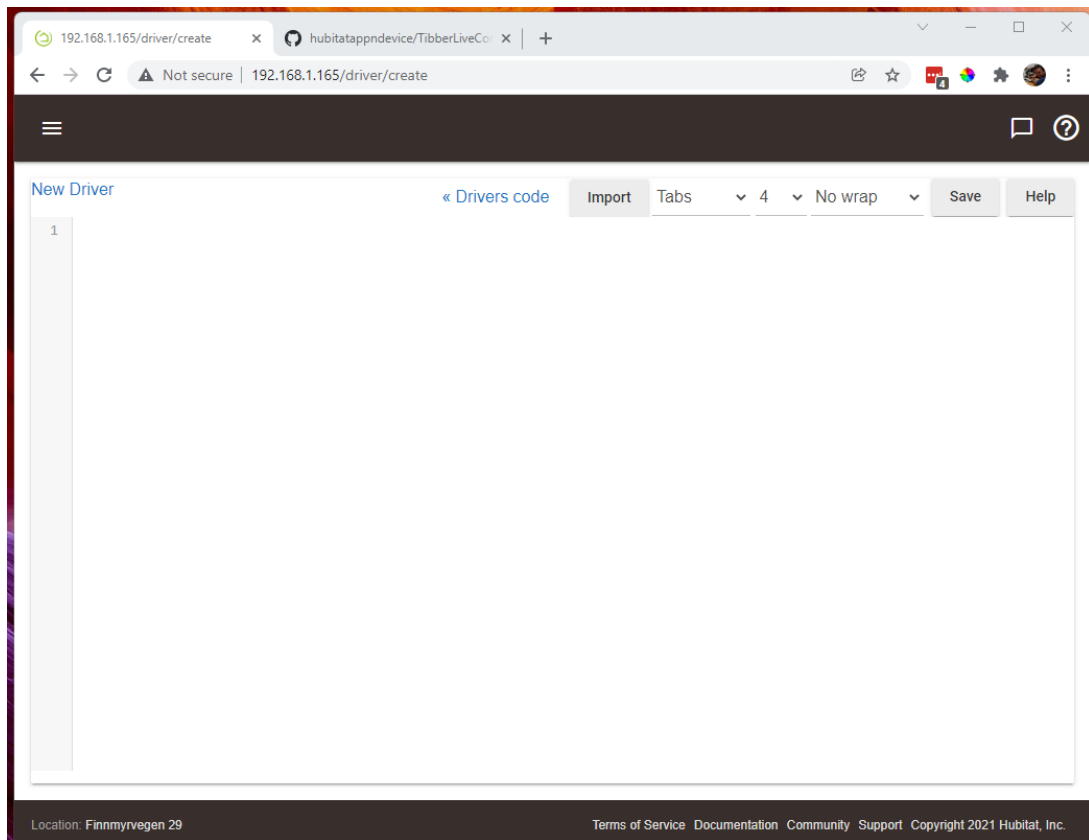


Hvordan få live strømforbruk fra Tibber Pulse i Hubitat

1. I Hubitat, under “Drivers Code” klikk på “New Driver”:

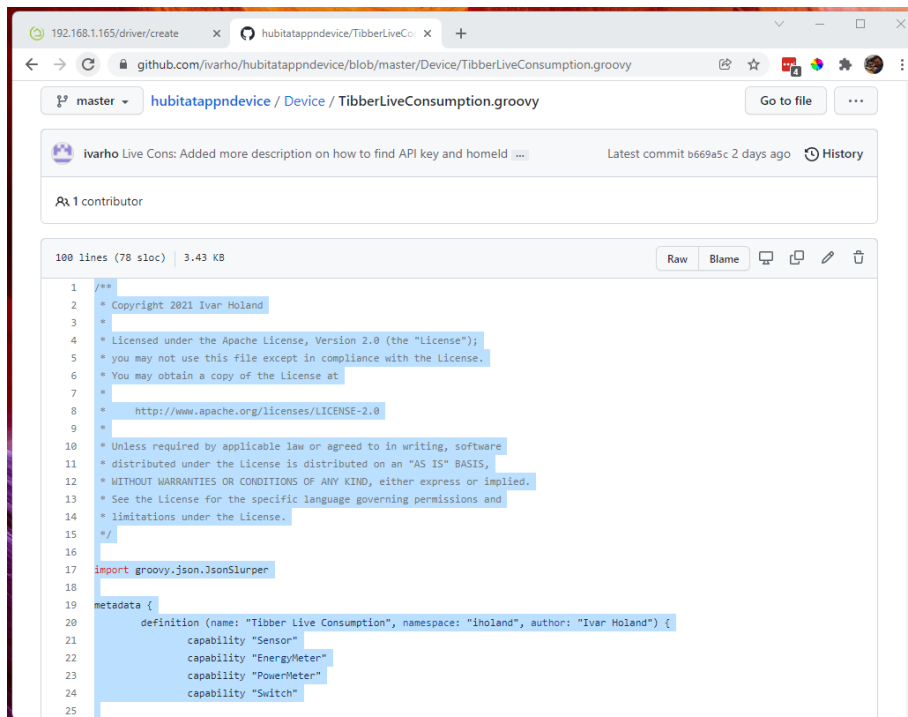


2. Da skal du få et tomt vindu som ser slik ut:



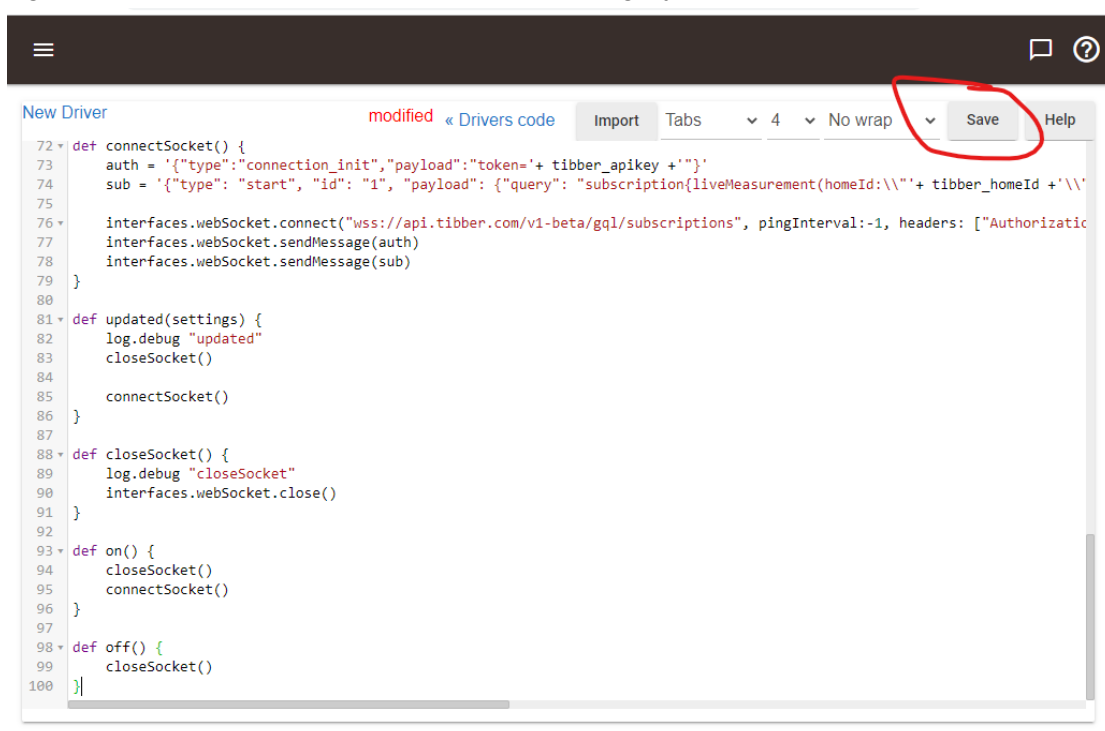
3. Gå til github.com og finn den Groovy-filen du vil legge inn, i dette tilfellet:
<https://github.com/ivarho/hubitatappndevice/blob/master/Device/TibberLiveConsumption.groovy>

4. Velg deretter all koden fra filen:



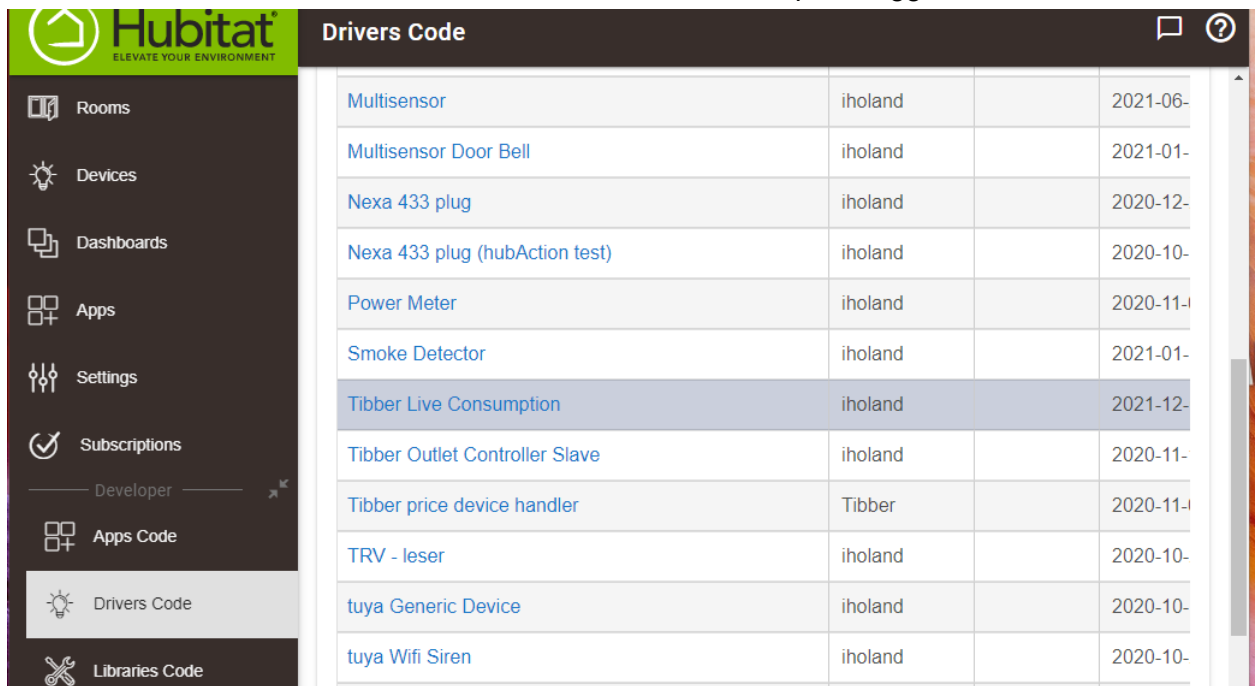
```
1 /**
2  * Copyright 2021 Ivar Holand
3  *
4  * Licensed under the Apache license, Version 2.0 (the "license");
5  * you may not use this file except in compliance with the license.
6  * You may obtain a copy of the license at
7  *
8  * http://www.apache.org/licenses/LICENSE-2.0
9  *
10 * Unless required by applicable law or agreed to in writing, software
11 * distributed under the license is distributed on an "AS IS" BASIS,
12 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
13 * See the license for the specific language governing permissions and
14 * limitations under the license.
15 */
16
17 import groovy.json.JsonSlurper
18
19 metadata {
20     definition (name: "Tibber Live Consumption", namespace: "iholand", author: "Ivar Holand") {
21         capability "Sensor"
22         capability "EnergyMeter"
23         capability "PowerMeter"
24         capability "Switch"
25     }
26 }
```

5. Og lim dette inn i det tomme vinduet i Hubitat, og trykker "Save":



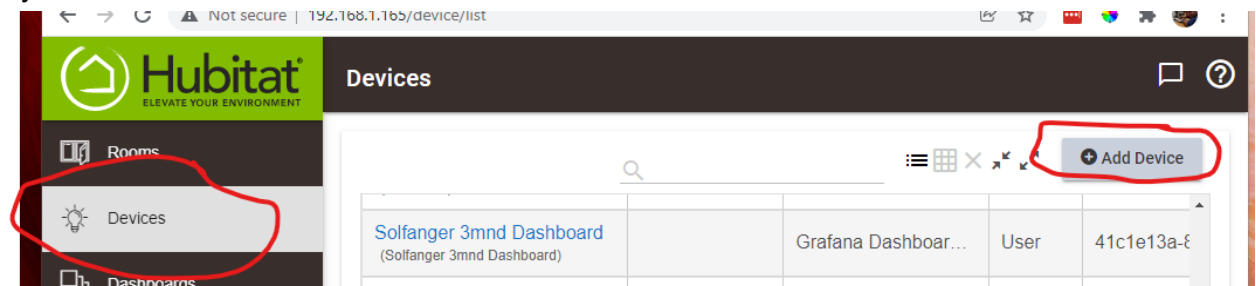
```
72 def connectSocket() {
73     auth = '{"type":"connection_init","payload":{"token='+ tibber_apikey +'}}'
74     sub = '{"type": "start", "id": "1", "payload": {"query": "subscription{liveMeasurement(homeId:\\\"'+ tibber_homeId + '\\\"'}}'
75
76     interfaces.webSocket.connect("wss://api.tibber.com/v1-beta/gql/subscriptions", pingInterval:-1, headers: ["Authorization: Bearer "+ tibber_apikey])
77     interfaces.webSocket.sendMessage(auth)
78     interfaces.webSocket.sendMessage(sub)
79 }
80
81 def updated(settings) {
82     log.debug "updated"
83     closeSocket()
84
85     connectSocket()
86 }
87
88 def closeSocket() {
89     log.debug "closeSocket"
90     interfaces.webSocket.close()
91 }
92
93 def on() {
94     closeSocket()
95     connectSocket()
96 }
97
98 def off() {
99     closeSocket()
100 }
```

6. I "Drivers Code"-listen din skal du da se "Tibber Live Consumption" ligge der:

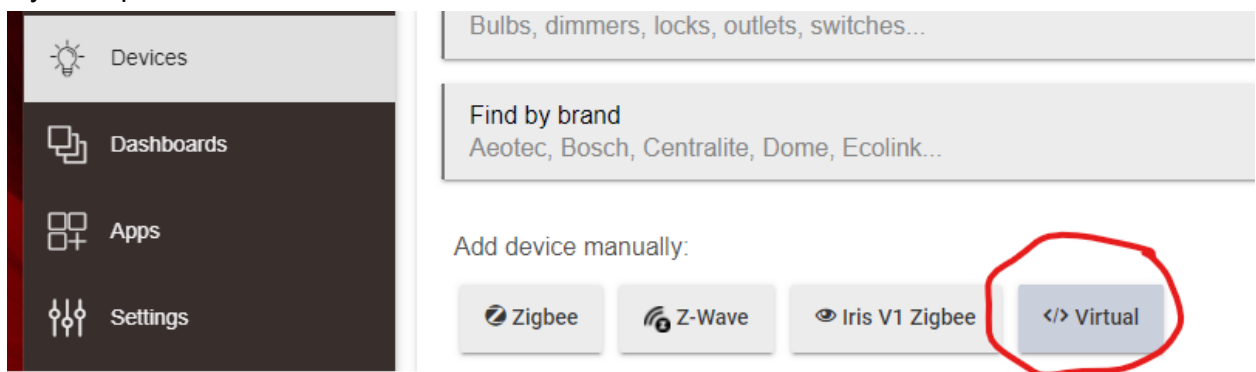


Hubitat ELEVATE YOUR ENVIRONMENT			
Drivers Code			
Multisensor	iholand		2021-06-
Multisensor Door Bell	iholand		2021-01-
Nexa 433 plug	iholand		2020-12-
Nexa 433 plug (hubAction test)	iholand		2020-10-
Power Meter	iholand		2020-11-
Smoke Detector	iholand		2021-01-
Tibber Live Consumption	iholand		2021-12-
Tibber Outlet Controller Slave	iholand		2020-11-
Tibber price device handler	Tibber		2020-11-
TRV - Leser	iholand		2020-10-
tuya Generic Device	iholand		2020-10-
tuya Wifi Siren	iholand		2020-10-

7. Deretter så skal du legge til denne "Devicen" til dine enheter i Hubitat, gå til "Devices" og trykk "+Add Device":



8. Trykk så på "</> Virtual":



9. Under "Type*" så velger du "Tibber Live Consumption":

The screenshot shows the 'Devices' section of the Tibber IoT platform. On the left is a sidebar with navigation options: Devices, Dashboards, Apps, Settings, Subscriptions, Developer, Apps Code, and Drivers Code. The main area displays the 'Device Information' form. The 'Device Name' field is filled with '9cdb7d55-be13-46e1-9a91-57d'. The 'Device Label' field is empty. The 'Type' dropdown menu is open, showing options: Virtual, System, User, Tibber Live Consumption (highlighted with a red circle), Tibber Outlet Controller Slave, and Tibber price device handler. The 'Room' dropdown is set to 'No room assigned'.

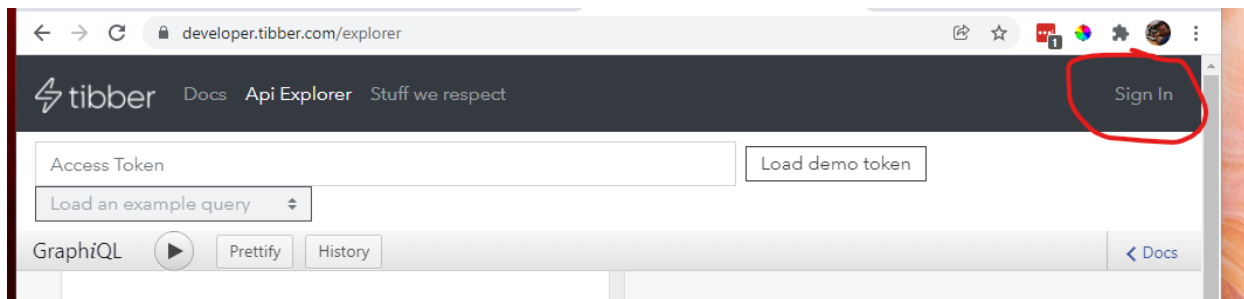
10. Så velger du deg et navn som du kjenner igjen, f.eks. "Tibber Strømforbruk" og skriver dette for både "Device Name*" og "Device Label":

The screenshot shows the 'Device Information' form with the 'Device Name' and 'Device Label' fields both filled with 'Tibber strømforbruk'. The 'Device Network Id' is '9cdb7d55-be13-46e1-9a91-57d'. The 'Type' dropdown is set to 'Tibber Live Consumption'. The 'Room' field is empty.

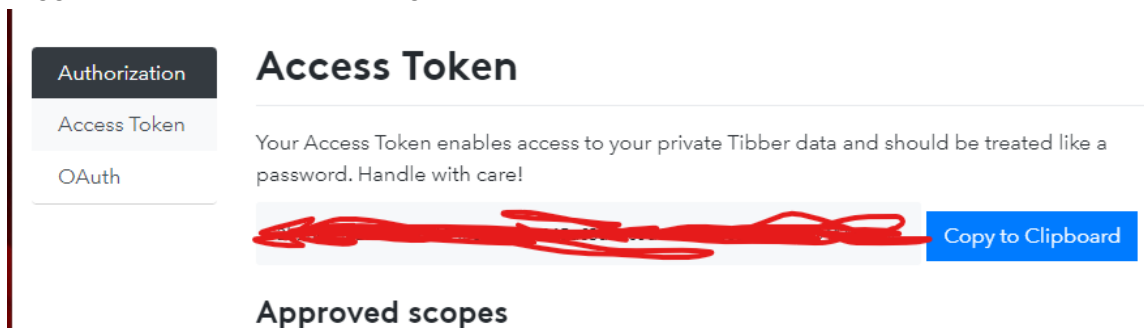
11. Så trykker du "Save Device":

The screenshot shows the 'Device Information' form with the 'Save Device' button highlighted with a red circle. The 'State history size, per attribute' and 'Too many events alert threshold' fields are visible but not filled.

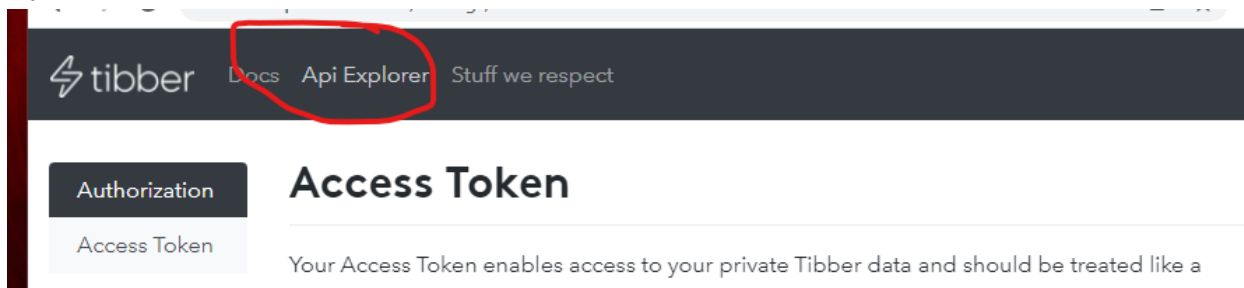
12. Da er det på tide å finne Tibber API key og homeld, det enkleste er å åpne en ny tab i nettleseren og gå til <https://developer.tibber.com/explorer> og velg "Sign In":



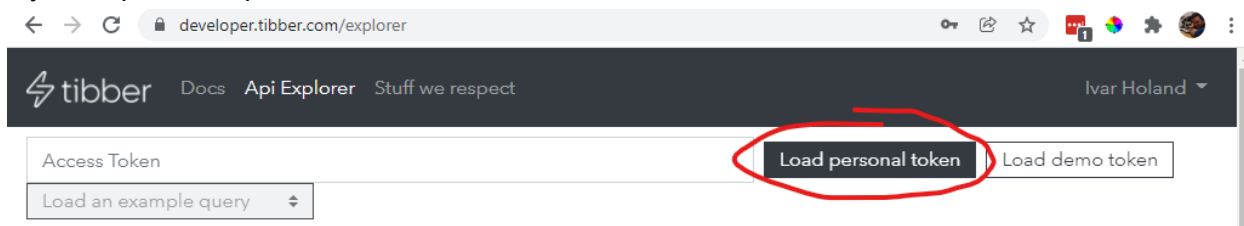
13. Logg inn med ditt brukernavn og passord hos Tibber, da skal du komme til noe sånt:



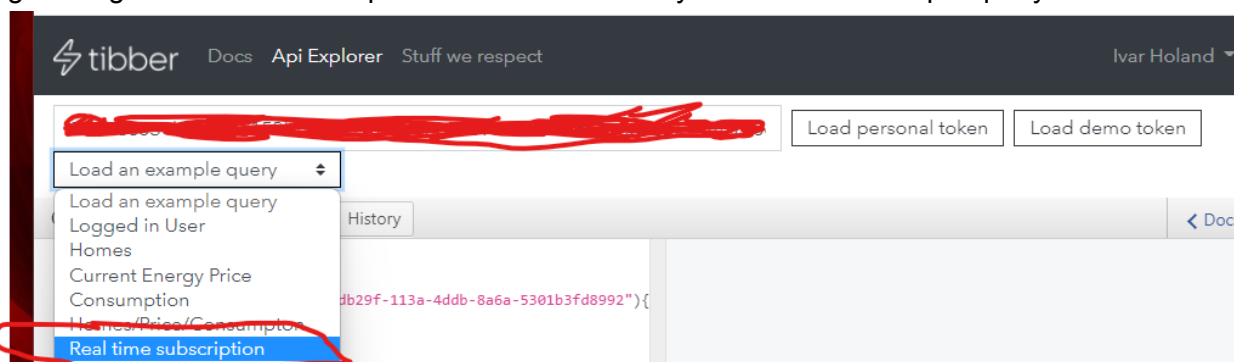
14. Trykk så på "Api Explorer":



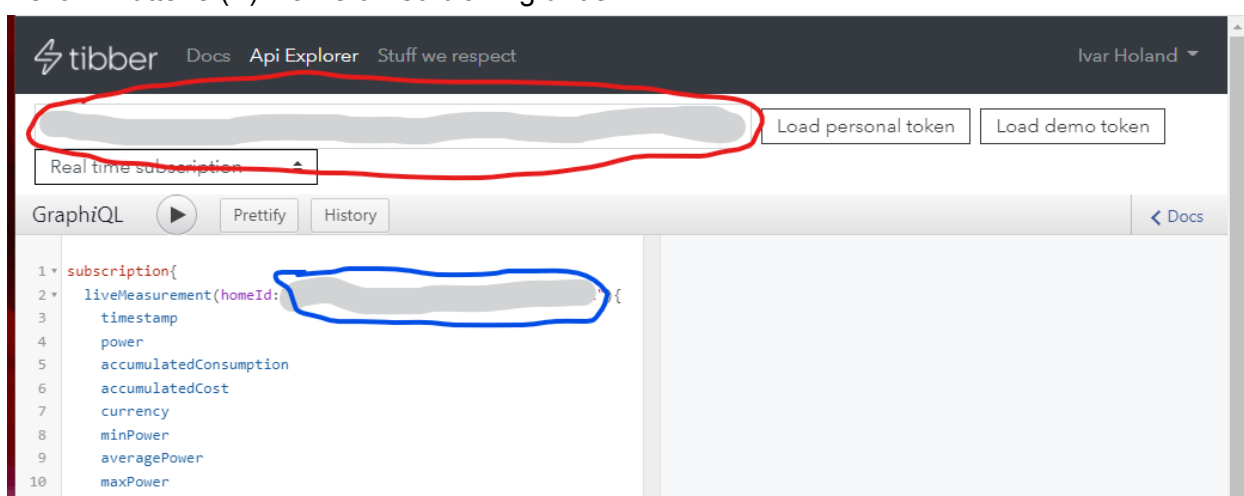
15. Trykk så på "Load personal token":



16. Og så velg “Real time subscription” fra nedtrekksmenyen “Load an example query”:



17. Da har du Tibber API key i den tekstboksen markert med rød ring under, og homeld i mellom fruttene (",") markert med blå ring under:



18. Da går du tilbake til Hubitat og “devicen” Tibber strømforbruk og legger API key inn under feltet “API key” og homeld under feltet “homeld”:

Hubitat
ELEVATE YOUR ENVIRONMENT

Tibber strømforbruk2

« Device List ① Events

Commands

Close Socket
closeSocket

Connect Socket
connectSocket

Off
off

On
on

State Variables

Preferences

API Key *
Enter the Tibber API key.
This can be found on
<https://developer.tibber.com/explorer>. Sign in and click Load Personal Token.

homeld *
Enter the Tibber homeld:
This can be found on
<https://developer.tibber.com/explorer>. Open the Real time subscription example, homeld should be on the left.

cc83e83e-8cbf-4595-9bf7-c3cf192f7d9c

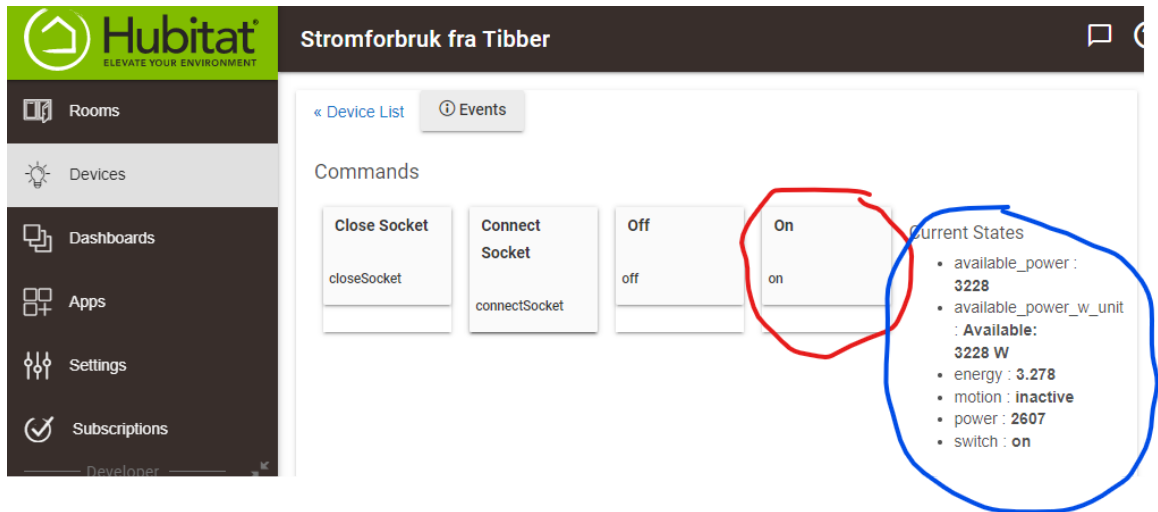
19. Trykk “Save Preferences”:

API Key *
Enter the Tibber API key.
This can be found on
<https://developer.tibber.com/explorer>. Sign in and click Load Personal Token.

Enable debug logging

Save Preferences

20. Da er du klar til å motta live strømtrekk fra Tibber. Trykk på “On” så skal du kunne se noe slikt:



21. Så er det bare å slå seg løs med å legge dette til på Dashboards osv. slik man ville lagt til en hvilken som helst lyspære etc., under ser du at mitt hus bruker akkurat da dette bildet ble tatt 2645W, estimert forbruk denne timen er 3.288kWh (baser på forbruk så langt og gitt at forbruket forblir konstant ut timen). I tillegg kan jeg og se tilgjengelig effekt jeg kan bruke i tillegg til nåværende forbruk uten å bryte grensa på 5kWh er 3425W.

