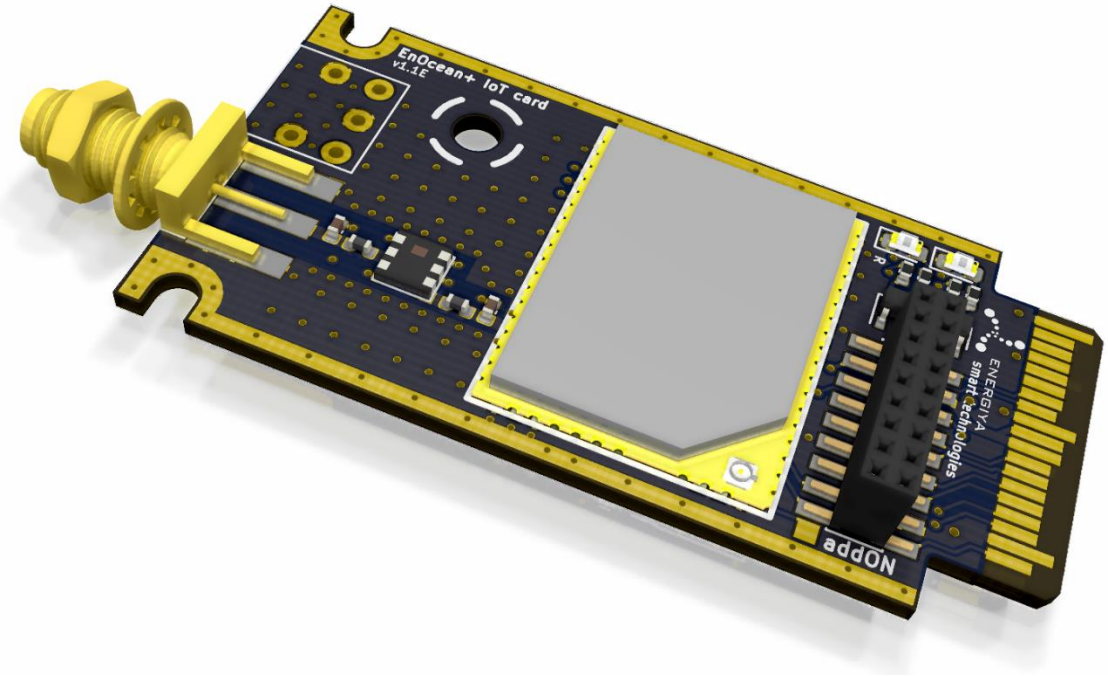
Energiya EnOcean +

Octave integration

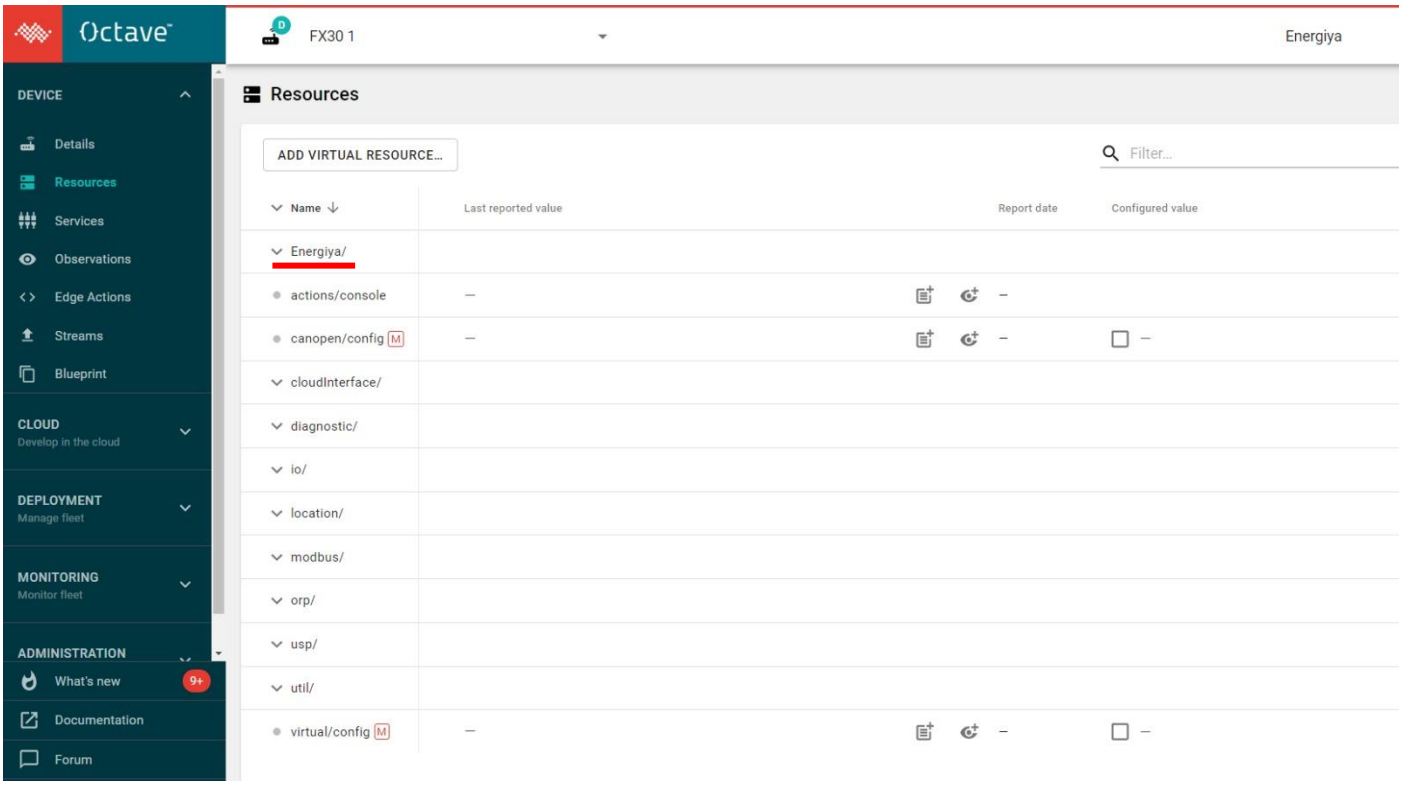


Octave™

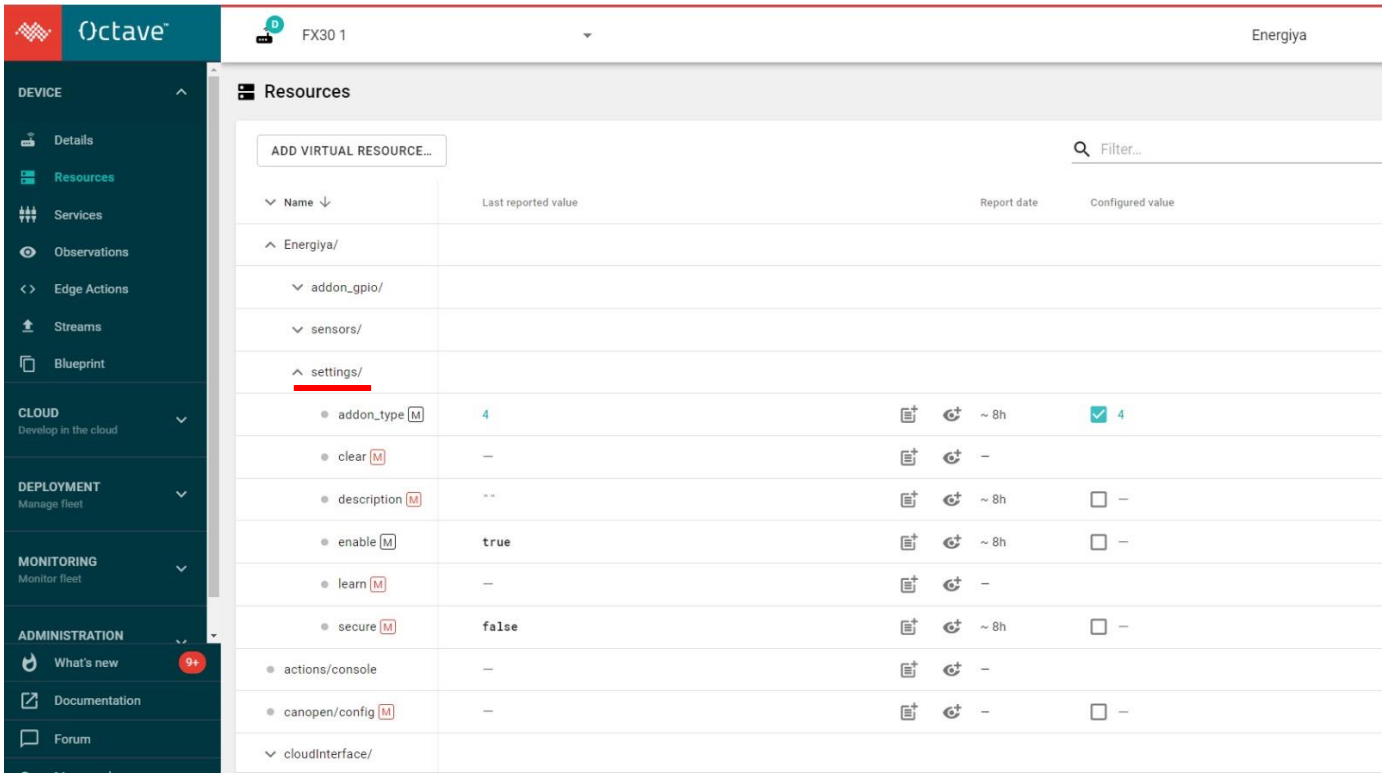
Octave installation procedure

1) **Insert Energiya EnOcean IoT card to FX30/FX30S device.**
2) **Install / start Energiya software.**

After two initial steps Energiya will appear in Octave:



When Energiya → settings is expanded, below options will appear:



addon_type – value 0 : no addON,
value 1 : 4 inputs addON,
value 2 : 4 outputs addON,
value 3 : 2 inputs 2 outputs addON,
value 4 : 8 inputs addON.

clear – double click on the trigger removes all connected EnOcean sensors.

description – free text. Friendly name of the unit.

enable – value true : makes the unit enabled,
value false : makes the unit disabled.

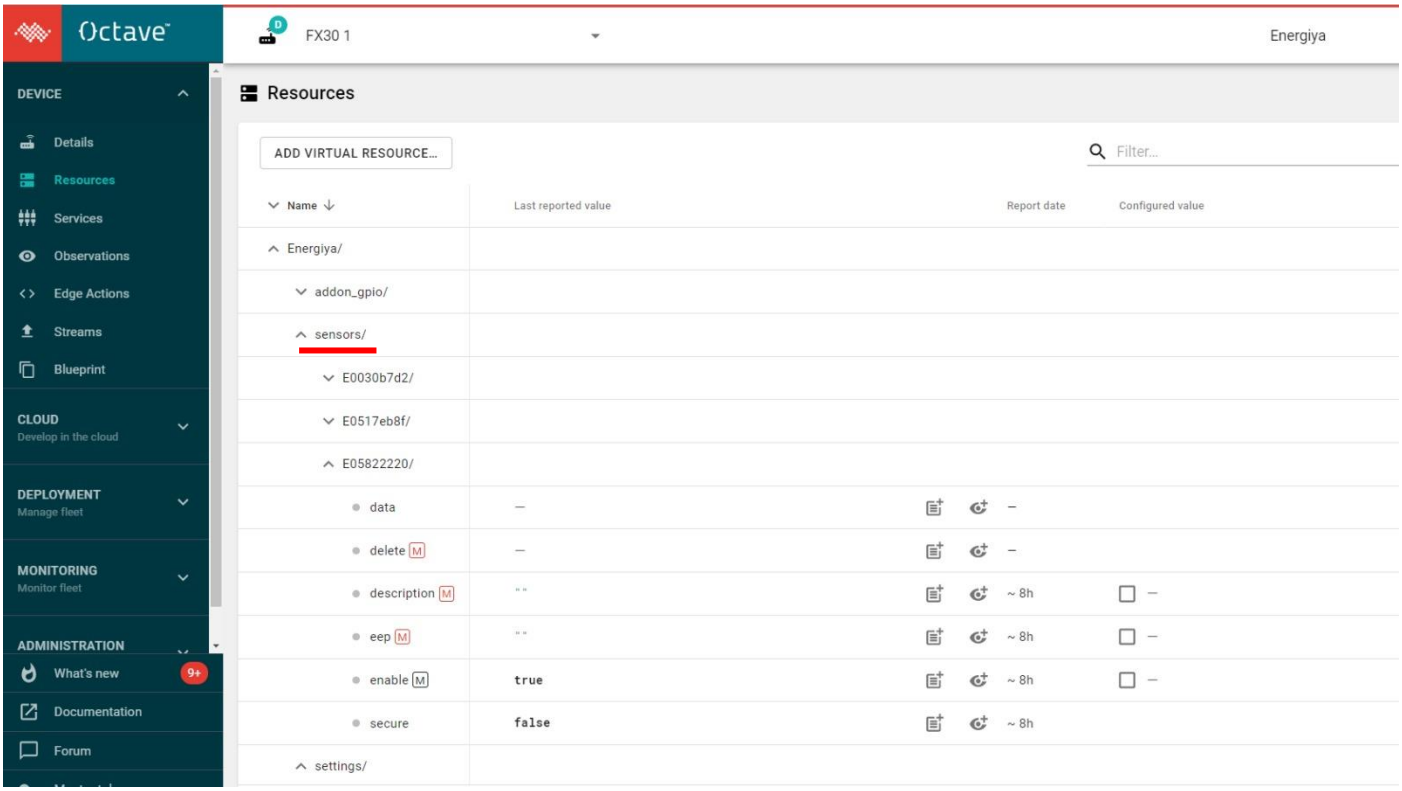
learn – double click on the trigger switches the unit to 'Learn mode'. When 'Learn mode' is enabled, green LED is ON on FX30. 'Learn mode' is active 60s.

secure – value true : allows only secure connection,
value false : allows all connections.

3) **Activate 'Learn mode' and add sensors to Octave by pressing 'Learn button' on sensors.**

4) **Enter EEP to each sensor.**

When one or more sensors are added sensors will appear in Octave, below options resources will be displayed:



Under sensors unique identification numbers of sensors appear. Each sensor has got following options:

data – system displays latest sensor reading there in JSON format,

delete – double click on the trigger removes the sensor,

description – free text. Friendly name of the sensor,

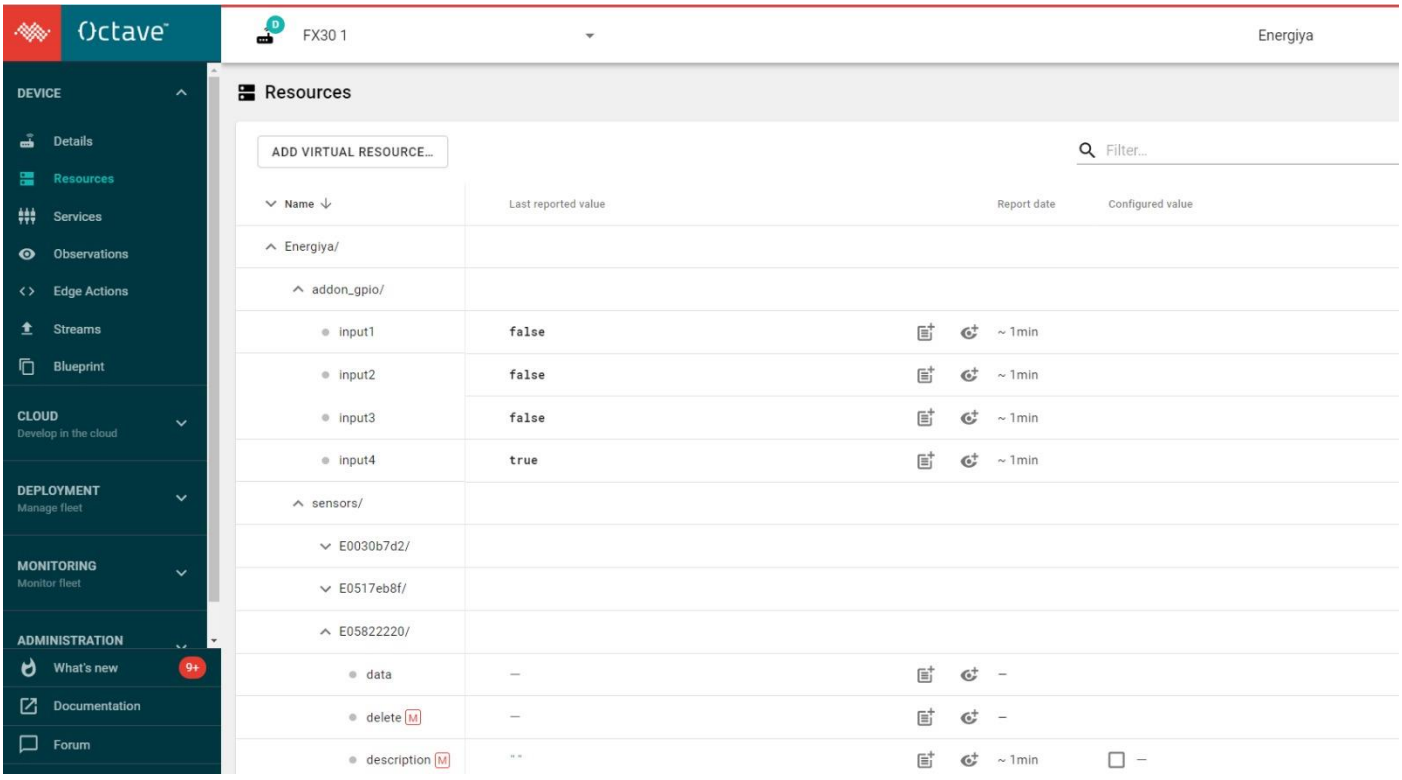
eep – EnOcean Equipment Profile. EEP code has to be entered without spaces and dashes.

enable – value true : makes the sensor enabled,
value false : makes the sensor disabled,

secure – indicates if connection is secured.

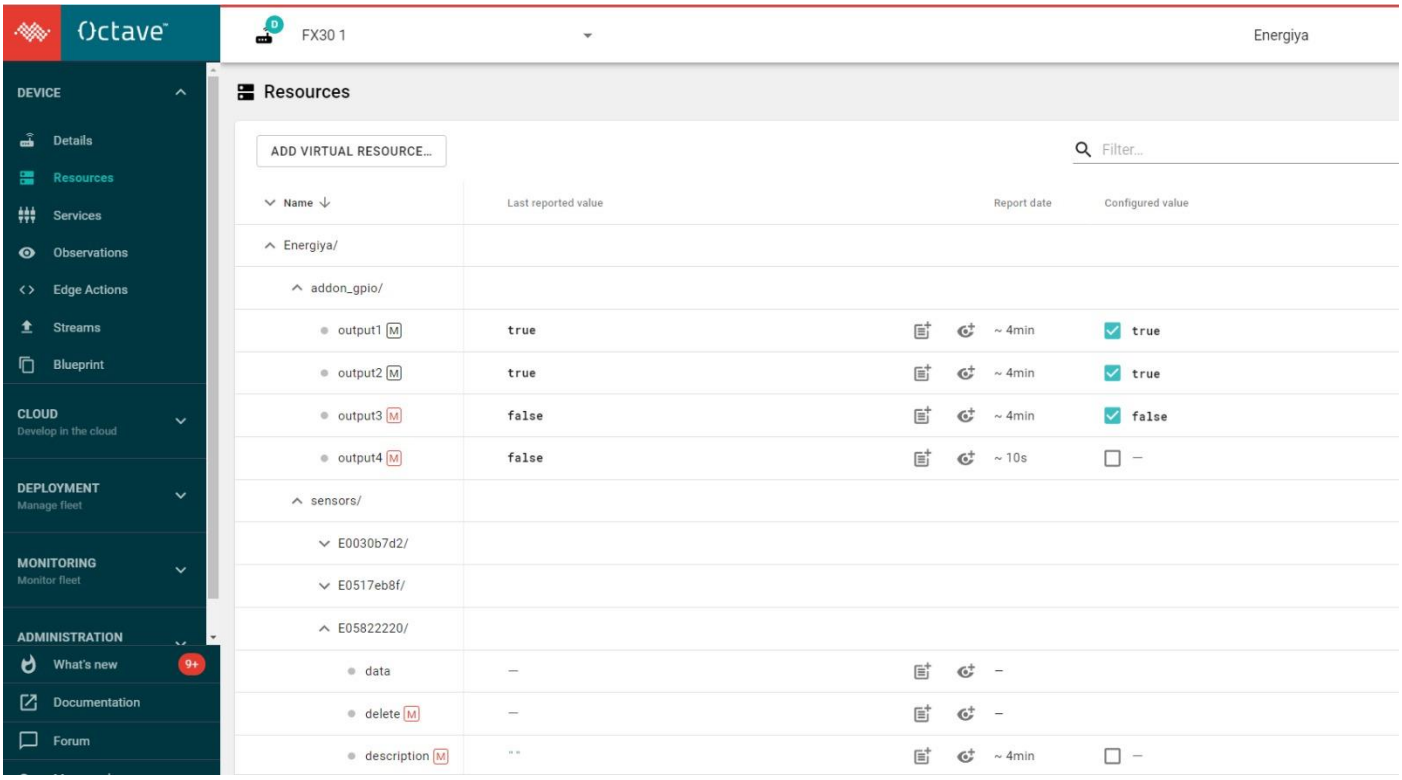
5) AddONs are chosen in settings in addon_type option:

- When addon_type = **0** is set, no addon is connected, no additional resources will be created (addon_gpio)
- When addon_type = **1** is set, resources for addON 4i (4 input) are created (addon_gpio)



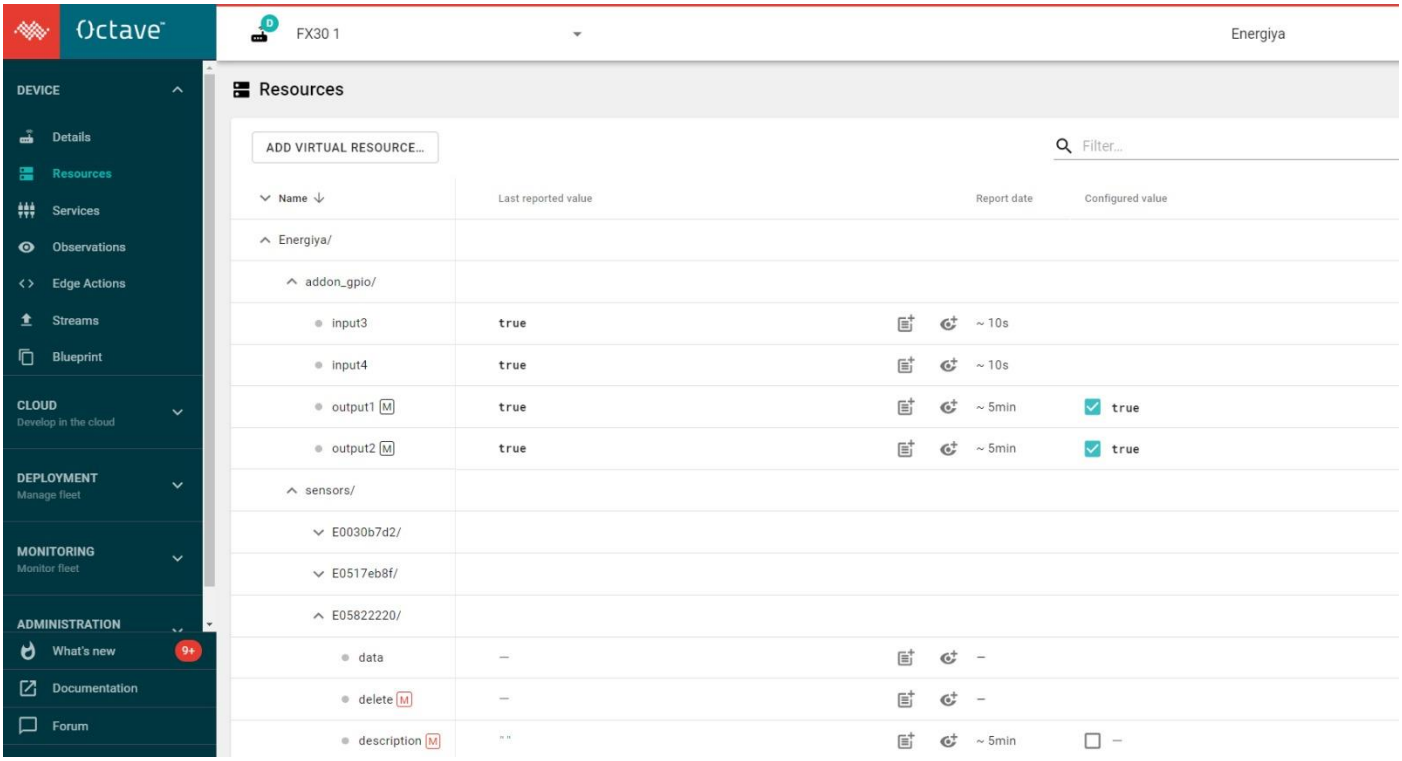
input**n** – shows status of GPIO**n**.

- When addon_type = **2** is set, resources for addON 4o (4 output) are created (addon_gpio)



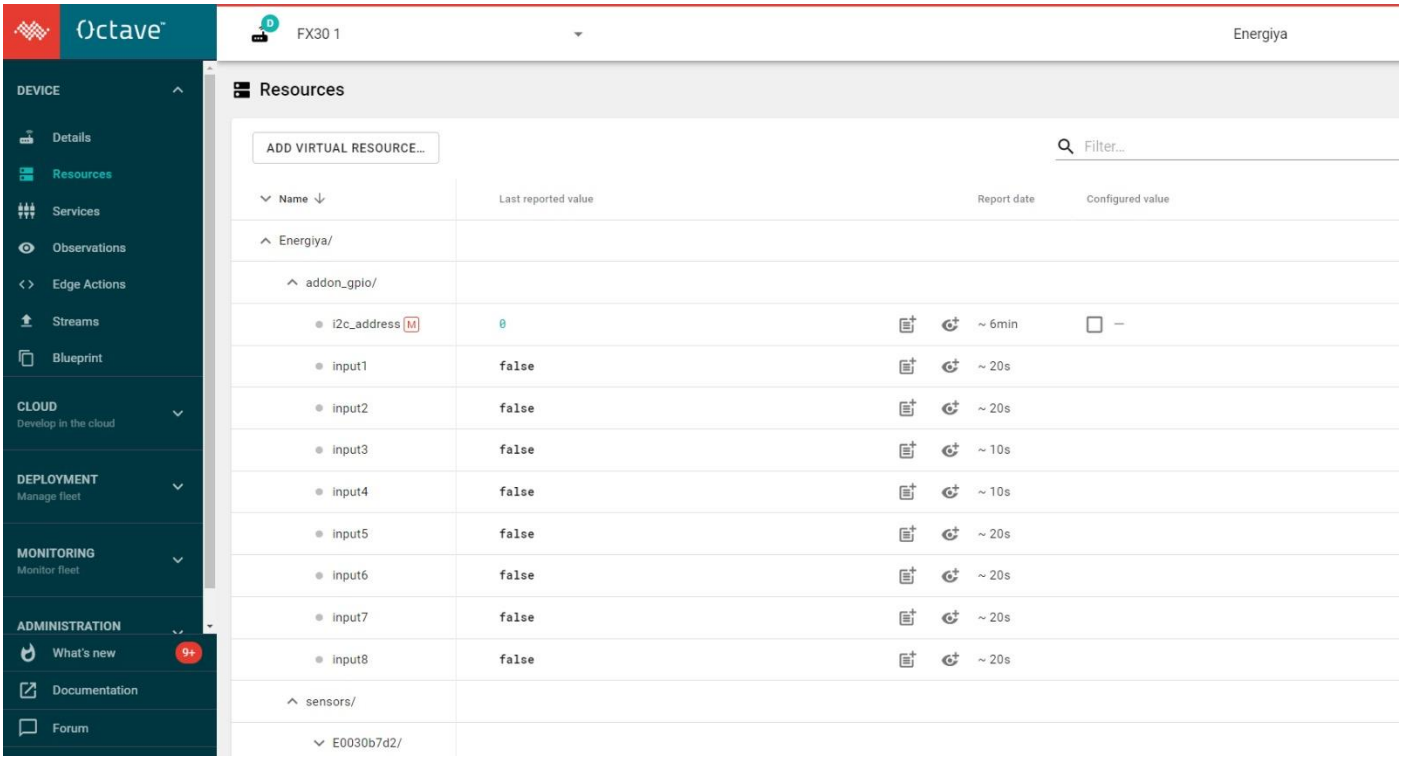
output**n** – set or clear GPIO**n.**

- When addon_type = **3** is set, resources for addON 2i2o (2 input / 2 output) are created (addon_gpio)



input**n** – shows status of GPIO**n**.
output**n** – set or clear GPIO**n.**

- When addon_type = **4** is set, resources for addON 8i (8 input) are created (addon_gpio)



i2c_address – value 0 : I²C address 0x23,
value 1 : I²C address 0x21,
value 2 : I²C address 0x22,
value 3 : I²C address 0x20.

input**n** – shows status of INPUT**n.**