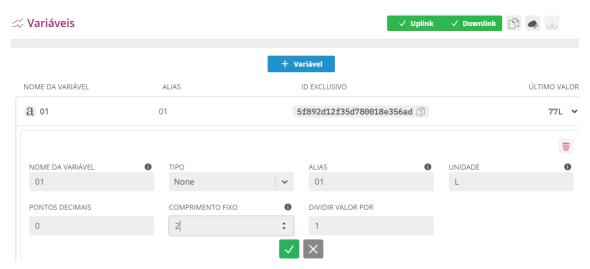
Configuração da Plataforma PROIoT para o ESP32 Heltec V1 utilizando como base o sketch do Pedro Bertoleti

https://app.proiot.com.br/devices

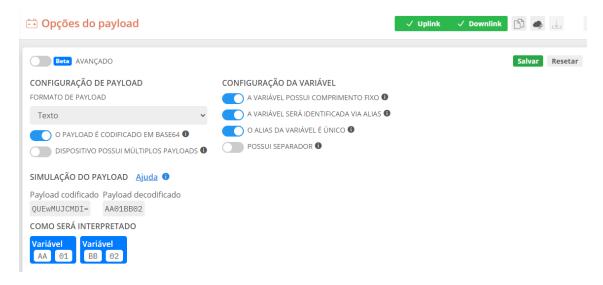
Em Informações do dispositivo:



Em Váriáveis:



Em opções do Payload



Sketch utilizado contendo descrições:

https://github.com/elearaujo/loraatc/blob/main/LORA PROIOT G.ino

Scketch original do Pedro Bertoleti:

https://github.com/phfbertoleti/dummy_esp32_lorawan/blob/master/src/dummy_esp32_lorawan.ino

Biblioteca utilizada na IDE do Arduino

MCCI LoRaWAN LMIC library

by IBM, Matthis Kooijman, Terry Moore, ChaeHee Won, Frank Rose Versão 2.3.2 INSTALLED

Arduino port of the LMIC (LoraWAN-MAC-in-C) framework provided by IBM. Supports LoRaWAN 1.0.2/1.0.3 Class A devices implemented using the Semtech SX1272/SX1276 (including HopeRF RFM92/RFM95 and Murata modules). Support for EU868, US, AU, AS923, KR and IN regional plans. Untested support for Class B and FSK operation. Various enhancements and bug fixes from MCCI and The Things Network New York. Original IBM URL http://www.research.ibm.com/labs/zurich/ics/lrsc/lmic.html. More info

Editar o arquivo da região

```
(Para Windows)
```

Em C:\Users\user\Documents\Arduino\libraries\MCCI_LoRaWAN_LMIC_library\project_config Editar o arquivo: lmic_project_config conforme imagem

```
#define CFG_au915 1 //define a região utililizada pela ATC no Brasil
#define CFG_sx1276_radio 1 //define o radio
#define LMIC_DEBUG_LEVEL 2 //habilita o debug
#define LMIC_FAILURE TO Serial // saída do debug para serial
```

```
// project-specific definitions
//#define CFG_eu868 1
//#define CFG_us915 1
#define CFG_au915 1
//#define CFG_as923 1
// #define LMIC_COUNTRY_CODE LMIC_COUNTRY_CODE_JP /* for as923-JP */
//#define CFG_kr920 1
//#define CFG_in866 1
#define CFG_sx1276_radio 1
//#define LMIC_USE_INTERRUPTS

#define LMIC_DEBUG_LEVEL 2
#define LMIC_FAILURE_TO Serial
```