Description

-----------------

This module establish the internet connection on the device over the modem and sends LT and events data packages

Feature goals

-----------------

Create a new thread;

Establish ppp connection over Quectel UC20 usb modem;

Generate http POST request for LT and events data packages once ;

Elements

-----------------

1. PPP connection process

1. check if feature is active

2. load unsent data from tracking DB.

3. generate ppp config files

4. check module presence

- retry every 120 seconds;

5. start signaling thread.

2. Send data process

Actions

-----------------

use semaphore to trigger an new http request.