

Temppuruuvi RuuviTag reader script

Prerequisites:

Connect raspberry pi to internet, and install node (programming environment and runtime; <https://nodejs.org/en/>)

Node.js installation:

- Open command line console on raspian and enter:

```
sudo apt install -y nodejs
node -v
```

Should output something like:

```
v9.10.1
```

Enter:

```
npm -v
```

Should output something like:

```
3.10.10
```

Installing the utility

When both the "node" and "npm" commands work, then download, install and run the "Temppuruuvi"-app package in it's own directory:

```
mkdir Temppuruuvi
cd Temppuruuvi
wget https://s3.eu-central-1.amazonaws.com/temppuruuvi-releases/Temppuruuvi-0.0.1.zip
unzip Temppuruuvi-0.0.1.zip
npm install
```

This installs the packages required to run the utility. In case you get an error in the "wget" command, read (**SEE1**). Next, edit (**SEE2**) the file index.js and add the Azure IoT device connection string:

```
// Replace this with the connectionID for the Azure IOT gw registered device
```

```
let connectionString = 'HostName=RuuviTagIoTHub.azure-  
devices.net;DeviceId=MarkonRuuvi;SharedAccessKey=1PQ+ZLrzwzjcVLSE0IzZ0teYr+VTv3iDXc  
JCfGpZoVY=';
```

(Change the string between the single quote marks)

When this is done, you can run the utility:

```
node index.js
```

The utility starts scanning for Ruuvi Tags in the area and once it finds one or more, starts to push data to IoT gateway for each one of them.

Notes

The utility runs as long as you keep the console window open or you terminate it using CTRL-X to stop it.

(SEE1) Wget is an utility download files on command line. This may now be always installed. To install it on raspberry PI, run

```
sudo apt install wget
```

(SEE2) Editing text files on Raspberry PI. You can use the instruction in here to get a text editor of your choice: <https://www.raspberrypi.org/documentation/linux/usage/text-editors.md>