OWASP
Open Web Application
Security Project

./SecureTea

IOT Trends and Lets Secure Your Small IOT

Internet of Things (IoT)

Internet of things (IOT) was initially used by Kevin Ashton, the co-founder of Auto-ID Center at MIT, where he defined it as: " [...] computers that knew everything there was to know about things -- using data they gathered without any help from us -- we would be able to track and count everything and greatly reduce waste, loss and cost."

Theory behind IoT

- **Identification** A unique identifier for a review of the administration of the Network.

- **Communication** to make it able to send and receive data. change "something" to "smart thing".

- **Sensification** sensor to get feed changes around it.

- **Connection** connect the device to the Internet.

How to start ?

Get The Code </>

Open Your Terminal

- Python and python-setuptools must be installed. (If not already installed: sudo apt-get install python python-setuptools)

- Download/Clone repository from: https://github.com/OWASP/SecureTea-Project.git

- git clone https://github.com/OWASP/SecureTea-Project.git

- Install SecureTea package:

- cd SecureTea-Project

- python setup.py install
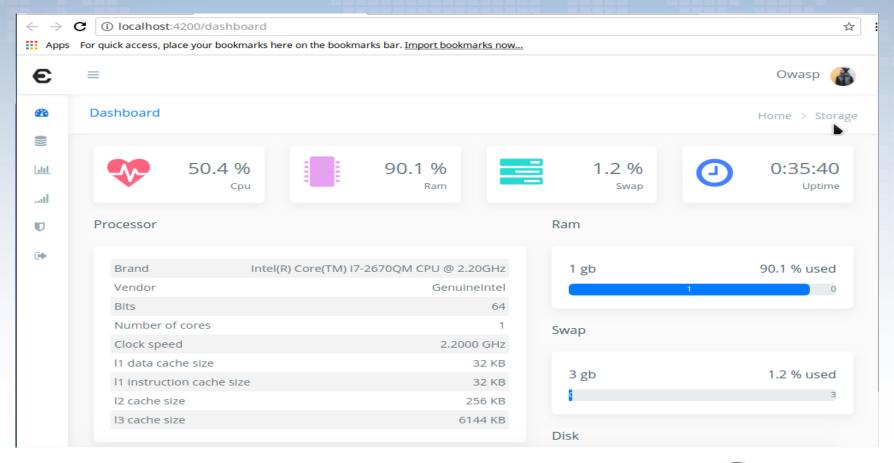
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Securetea Webapp

- Install python dependencies/ requirements
- pip install -r requirements.txt
- Open the "securetea.conf" in your home directory (~/.securetea/securetea.conf) with a text editor and edit the following variables :
- Copy/Paste API KEY and TOKEN from Twitter apps

- Okay, Run program -> sudo SecureTea.py
- If you want to monitor your system from a webapp,
- cd gui
- npm install
- ng serve
- Click new tab terminal and type -> sudo python monitor.py
- Go to http://localhost:4200 to view your project. END-POINT type http://localhost:5000 and click SIGN IN.
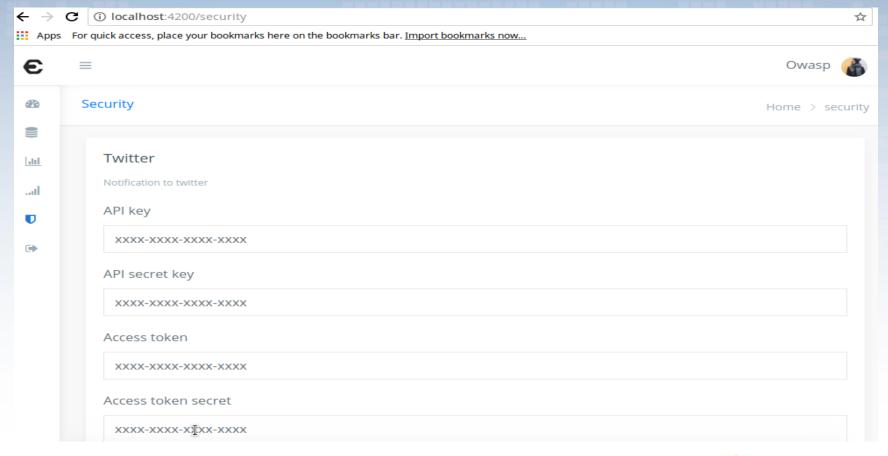
Securetea Webapp
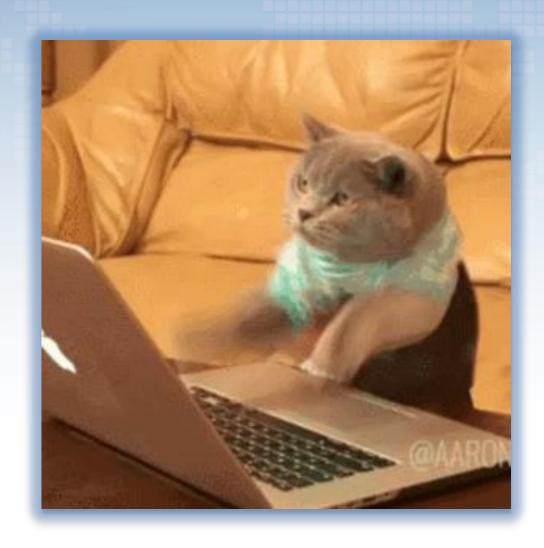
Securetea Webapp /Gui Setting

We love the message!!!

Now! You're safe from this Bro !!!

Demo!!!

Thank You !!

Any Question ?

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