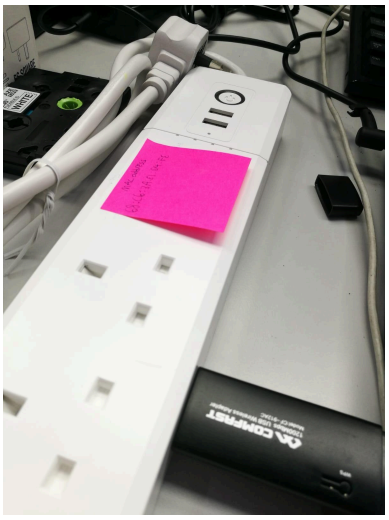
Tested on:



Smart Power Strip

Anoopsyche JH-G01B1 Power Monitoring Plug
https://blakadder.github.io/templates/anoopsyche_JH-G01B1.html

https://www.ifreeq.cn/product-page/ps-17-wsb-uk-standard-tuya-wi-fi-wall-socket
https://blakadder.github.io/templates/vigica_VGSPK00815.html

Slitinto NX-SM110 Power Monitoring Plug
https://blakadder.github.io/templates/stilinto_NX-SM110.html

1. Download Utorrent/Bit Torrent

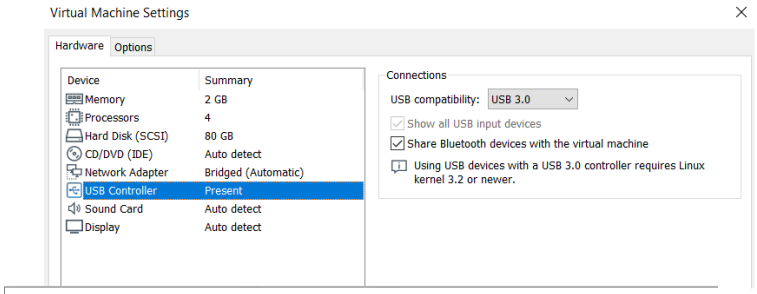
https://www.utorrent.com/

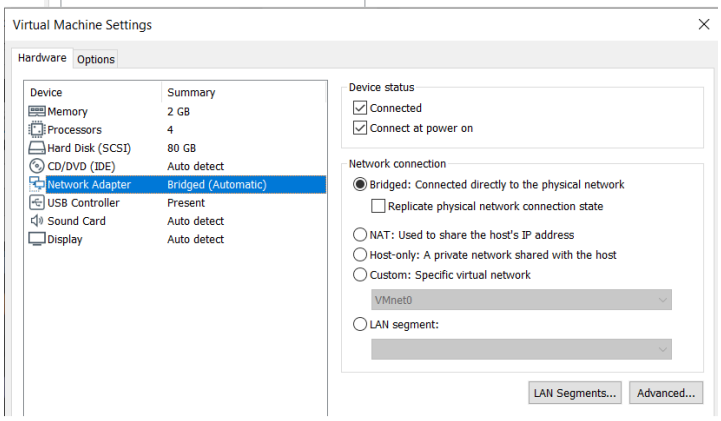
https://www.bittorrent.com/downloads/win

2. Download Kali Linux VM torrent
   https://www.offensive-security.com/kali-linux-vm-vmware-virtualbox-image-download/
3. Extract the zip file using Winrar https://rarlab.com/rar/winrar-x64-58b2.exe
4. Download VMware Workstation or virtual box
   https://my.vmware.com/en/web/vmware/info/slug/desktop_end_user_computing/vmware_workstation_pro/15_0

   https://www.virtualbox.org/wiki/Downloads
5. Click “Open a new virtual machine” and navigate to kali linux .vmx file
6. Right click on kali linux VM and go to settings
7. Start kali linux and log in using
   Username: root

   Password: toor
8. Under USB controller change USB compatibility to 3.0 and click ok.
   Change the Network adapter to bridge

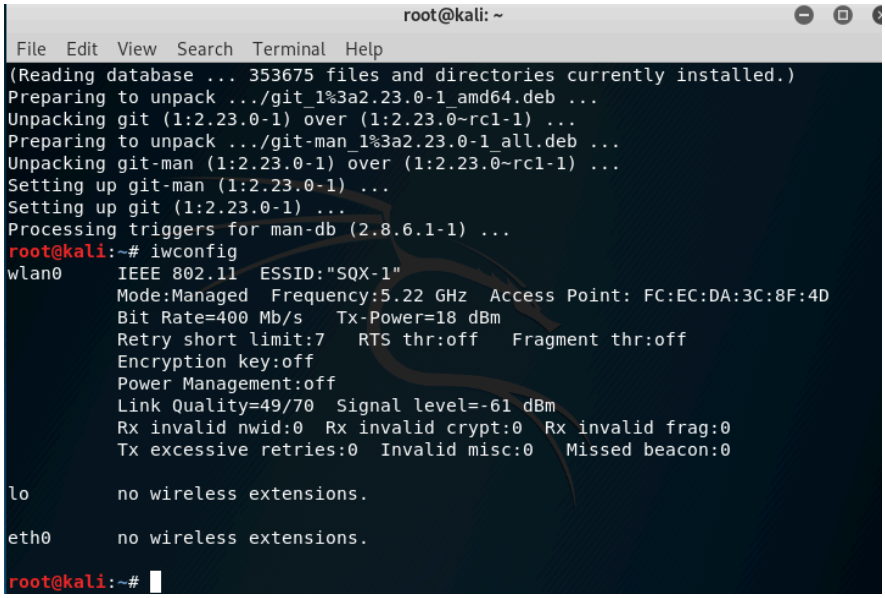




9. Connect the USB wifi adapter to the virtual machine

10. Install USB wifi adapter driver in terminal using:
    Apt-get install realtek-rtl88xxau-dkms

11. Type “iwconfig” and check, save a snapshot here.



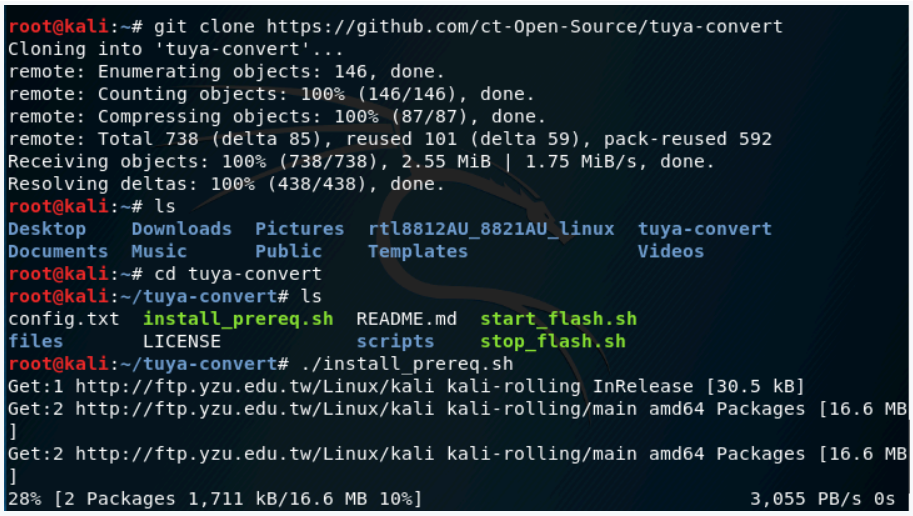
12. Installation :

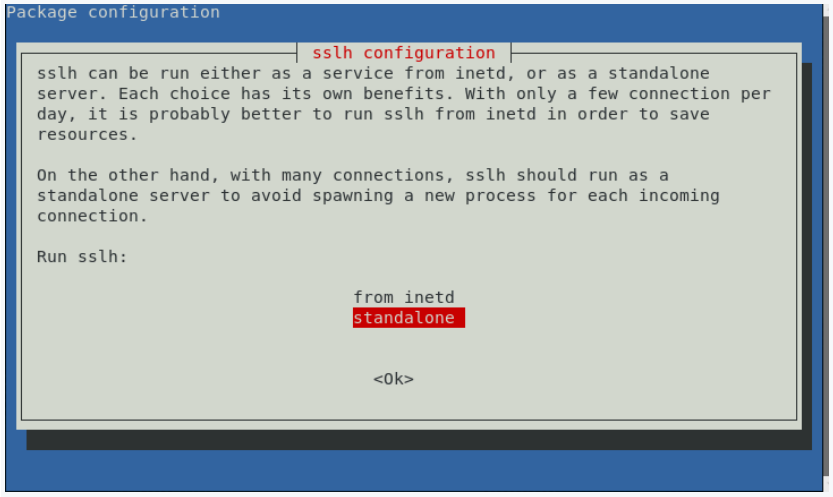
    # apt-get install git

    # git clone https://github.com/ct-Open-Source/tuya-convert

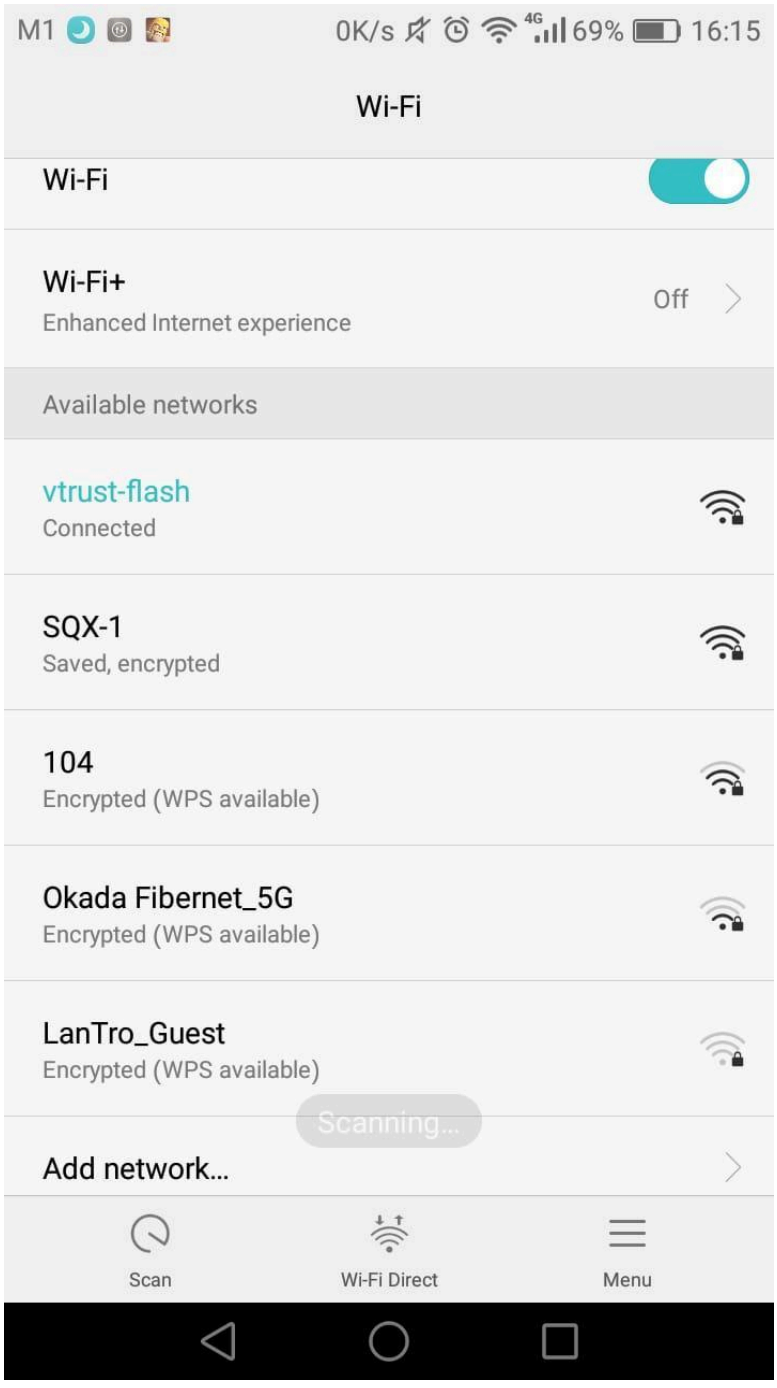
    # cd tuya-convert

    # ./install_prereq.sh

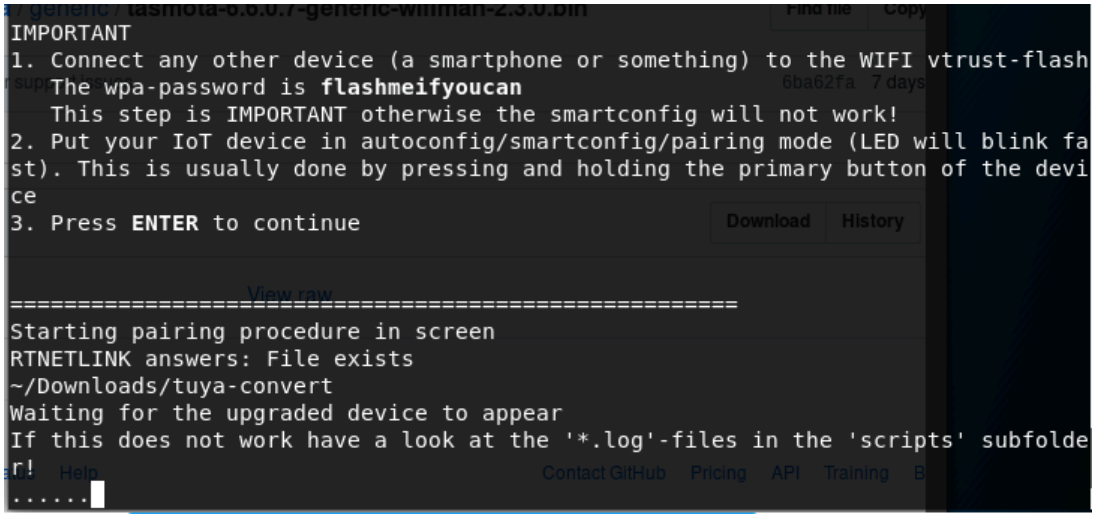


13. 

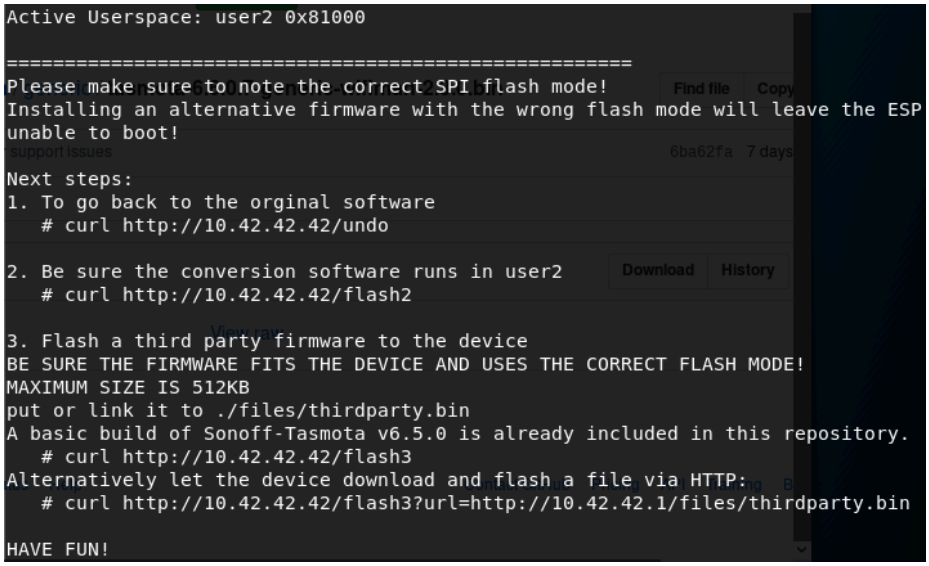
    Select Standalone then No
14. After it is done, save a snapshot here.
15. Type ./start_flash.sh
16. Follow the instructions in the start_flash script. It will install the flash loader onto the ESP and connect to the access point created by your wifi adapter.
17. Use a phone or another laptop and find vtrust-flash wifi
18. WIFI: vtrust-flash
    ~~PASS: flashmeifyoucan~~


M1
0K/s
69%
16:15
Wi-Fi
Wi-Fi
Wi-Fi+
Enhanced Internet experience
Off
Available networks
vtrust-flash
Connected
SQX-1
Saved, encrypted
104
Encrypted (WPS available)
Okada Fibernet_5G
Encrypted (WPS available)
LanTro_Guest
Encrypted (WPS available)
Scanning...
Add network...
Scan
Wi-Fi Direct
Menu

19. Put the device in fast pairing mode(blinking LED) and press Enter to continue.

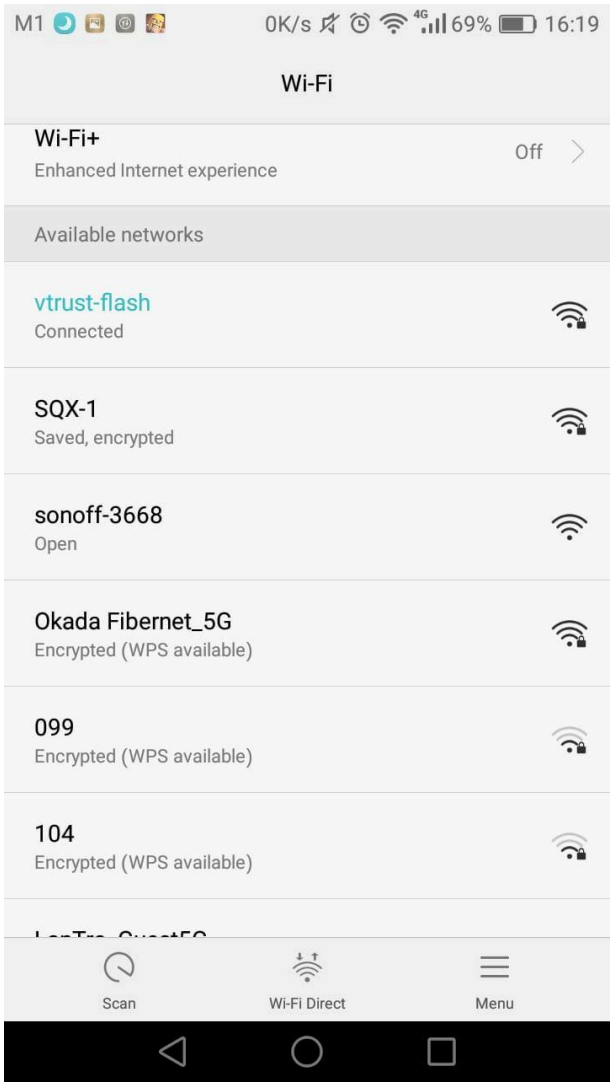


20. Check that it is Active Userspace: user2 and not user 1

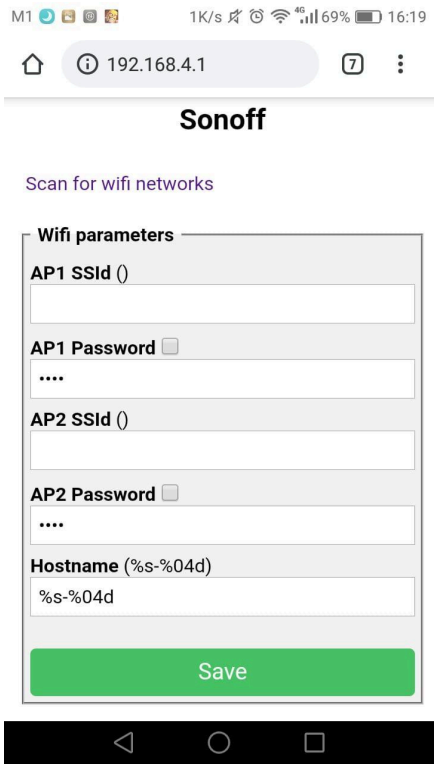


21. If it is user 1, use: curl http://ip_add/flash2
22. Type curl http://ip_add/flash3?url=http://ip_add/files/thirdparty.bin

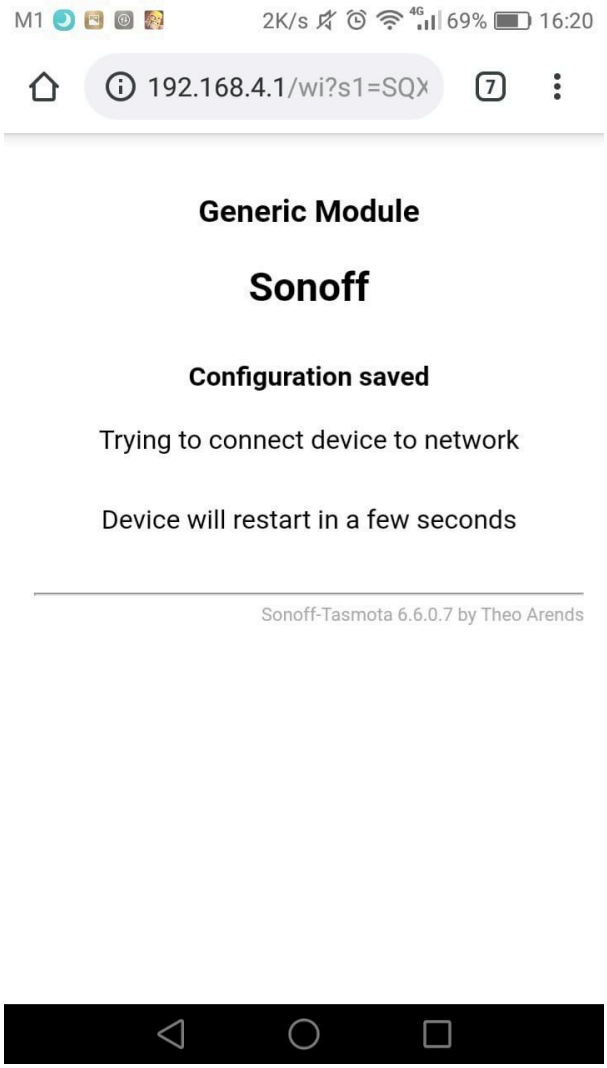
23. The device will broadcast a sonoff-xxxx access point (AP) when the device boots.



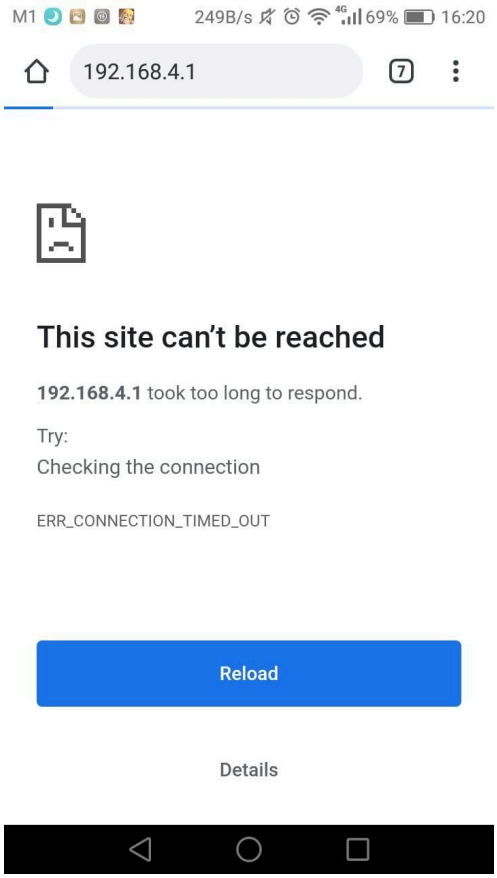
24. Type in 192.168.4.1 in the url field to reach the area to enter details for wifi parameters.



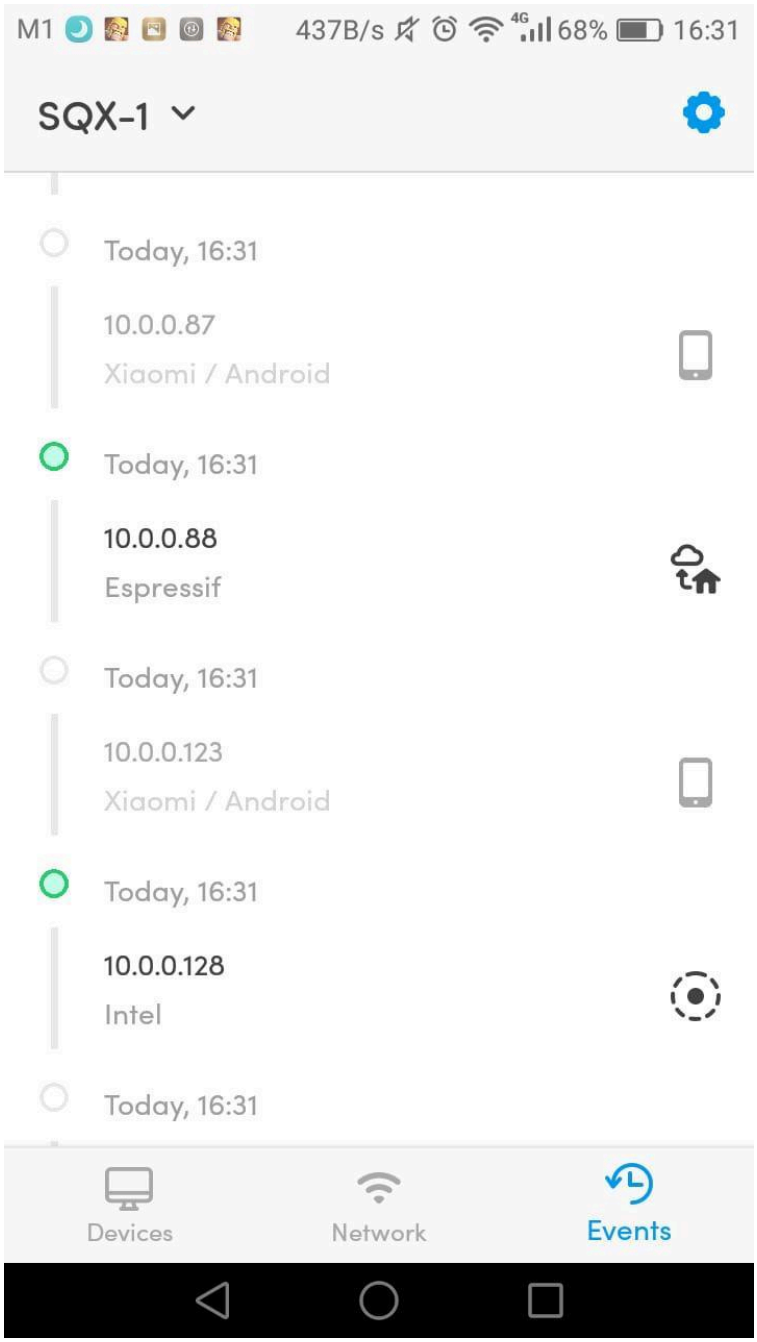
25. Save the configurations and wait for the device to get restarted.



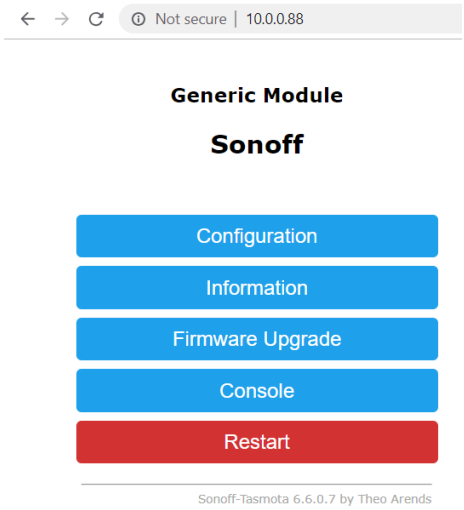
26. In the end, the site would no longer be reached, meaning it has succeeded.



27. Next search for the ip address of the device using Fling https://play.google.com/store/apps/details?id=com.overlook.android.fing&hl=en



28. Type the ip add in the browser url field



29. Go to configuration, configuration other
30. Copy and paste in the template and click activate and save

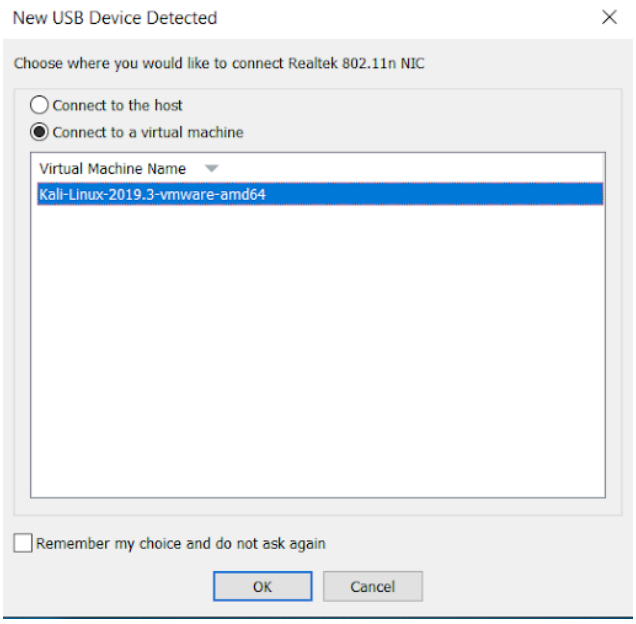
Note: If the device is not in the wifi range, the device will broadcast its Access Point(sonoff-xxxx) and phones/laptops can re-register for another wifi parameters.

Vid reference : https://youtu.be/dyUyewiKpRA
https://github.com/ct-Open-Source/tuya-convert

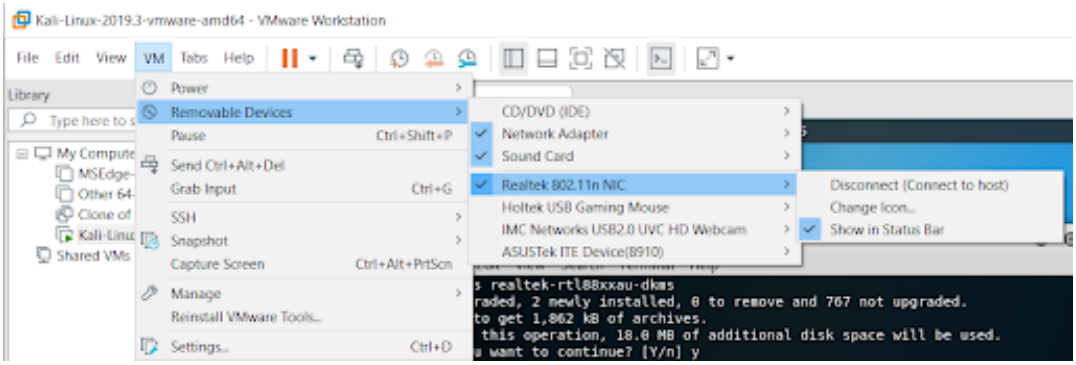
Errors Encountered:

8a: Default USB compatibility is 2.0, remember to change to 3.0 to be able to use the usb wifi adapter in kali linux vm

9a:It must be connected to the virtual machine and not the host machine, there will be a notification that pops up at the virtual machine to indicate where should the usb ported to



10a: if unable to install realtek-rtl88xxau-dkms, it means that realtek 802.11n NIC was not selected



18a:If vtrust-flash network connection failure, refer back to 10a’

19a : If flash half way and vtrust-flash disappears wifi disappeared, cancel the process (ctrl+c) and ~~{type [curl http://10.42.42.42/flash3]}~~ pushing the button four times in quick succession should put your device in wifi recovery mode. It'll open the original sonoff-xxxx wifi AP again. Connect to that, navigate to 192.168.4.1 and you can put in new information.