Use USB Wireless Adapter On Ubuntu16.04 LTS

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Ubuntu Linux DickSuckerThinkPad
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1. Overview

- What I wanna do is to install wireless adapter driver on Ubuntu
- The adapter I use is TP-Link Archer T2U, whose driver is mt7610u
- You can also take https://www.youtube.com/watch?v=D2fmbp-VFI0 as reference

2. Installation

Download and install

```
sudo apt-get install git build-essential
git clone
https://github.com/chenhaiq/mt7610u_wifi_sta_v3002_dpo_20130916.git
cd mt7610u_wifi_sta_v3002_dpo_20130916
make
sudo make install
sudo mkdir /etc/RT2870STA
sudo cp RT2870STA.dat /etc/Wireless/RT2870STA/RT2870STA.dat
reboot
```

• Then you can check whether the adapter can be recognized: Ralink Tech

```
1. lsusb
```

```
venturer@venturer-ThinkPad-T450s:~$ lsusb
Bus 001 Device 002: ID 8087:8001 Intel Corp.
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 003 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 002 Device 004: ID 5986:026a Acer, Inc
Bus 002 Device 003: ID 138a:0017 Validity Sensors, Inc. Fingerprint Reader
Bus 002 Device 002: ID 148f:761a Ralink Technology, Corp.
Bus 002 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
```

Launch the adapter

```
    ifconfig #you can not see the adapter currently
    sudo ifconfig ra0 up
    ifconfig #check again
```

```
ra0 Link encap:以太网 硬件地址 84:16:f9:0c:87:cd inet 地址:10.249.28.232 广播:10.249.31.255 掩码:255.255.240.0 inet6 地址: fe80::6f8:f7ee:93cd:7de5/64 Scope:Link UP BROADCAST RUNNING MULTICAST MTU:1500 跃点数:1接收数据包:35734 错误:267 丢弃:0 过载:0 帧数:0 发送数据包:4392 错误:0 丢弃:0 过载:0 载波:0 载波:0 碰撞:0 发送队列长度:1000 接收字节:9715222 (9.7 MB) 发送字节:799310 (799.3 KB)
```

Config of iwpriv

```
sudo iwpriv ra0 set SiteSurvey = 1
iwpriv ra0 get_site_survey
```

Finally, we can check the status via iwconfig

3. Some other configurations

- Everytime you restart, you should type sudo ifconfig ra0 up to reactive the adapter
- Then you need to restart the network manager

sudo service network-manager restart