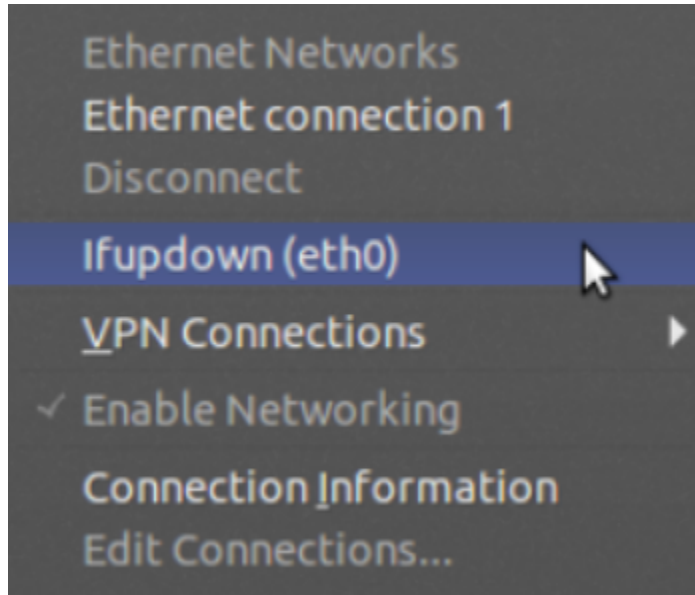


Wifi fix on Linux for Realtek (RTL8821CE) device :

Problem: Wireless network (Wi-Fi) option is not available.



Note: First connect a wired device to your laptop so that you can use internet services to follow further steps.

Step 1: Open Terminal using **Ctrl+Alt+T**.

Step 2: Update system packages using the following command.

```
sudo apt-get update
```

Step 3: Install the required packages using the following command.

```
sudo apt install git build-essential dkms
```

```
archies@sponchbob:~$ sudo apt install git build-essential dkms
Reading package lists... Done
Building dependency tree
Reading state information... Done
build-essential is already the newest version (12.8ubuntu1).
dkms is already the newest version (2.8.1-5ubuntu1).
git is already the newest version (1:2.25.1-1ubuntu3).
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
archies@sponchbob:~$
```

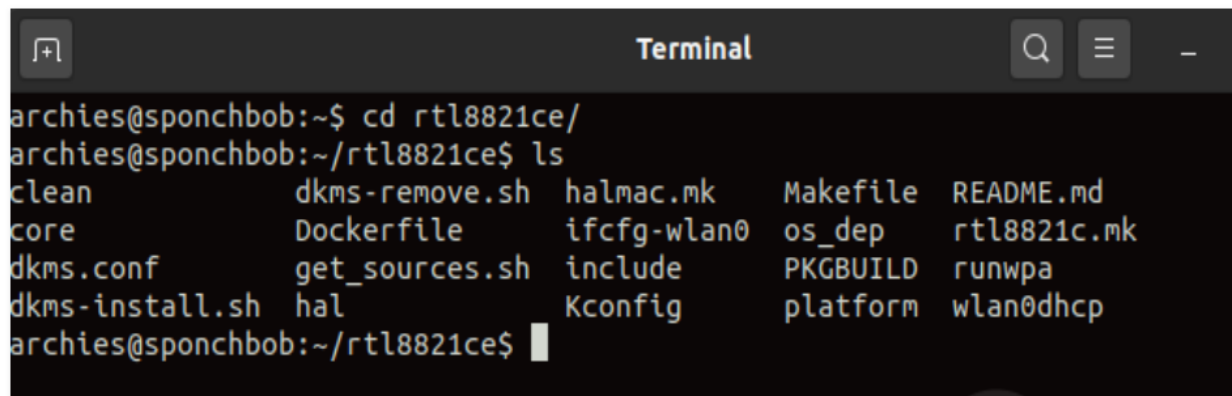
Step 4: Clone the **Realtek RTL8821CE Driver** using the following command.

Step 4: Clone the **Realtek RTL8821CE Driver** using the following command.

```
git clone https://github.com/tomaspinho/rtl8821ce
```

Step 5: Move to the repository directory using the following command.

```
cd rtl8821ce
```

A terminal window titled "Terminal" with a dark background. The prompt is "archies@sponchbob:~\$". The user enters "cd rtl8821ce/" and the prompt changes to "archies@sponchbob:~/rtl8821ce\$". Then the user enters "ls" and the terminal displays a list of files and directories in a grid-like format. The files listed are: clean, core, dkms.conf, dkms-install.sh, dkms-remove.sh, Dockerfile, get_sources.sh, hal, halmac.mk, ifcfg-wlan0, include, Kconfig, Makefile, os_dep, PKGBUILD, platform, README.md, rtl8821c.mk, runwpa, and wlan0dhcp.

```
archies@sponchbob:~$ cd rtl8821ce/
archies@sponchbob:~/rtl8821ce$ ls
clean          dkms-remove.sh  halmac.mk      Makefile       README.md
core           Dockerfile      ifcfg-wlan0    os_dep         rtl8821c.mk
dkms.conf      get_sources.sh  include        PKGBUILD       runwpa
dkms-install.sh hal             Kconfig        platform       wlan0dhcp
archies@sponchbob:~/rtl8821ce$
```

Step 6: Use the following command to make the script of dkms-installation executable.

```
chmod +x dkms-install.sh
```

Step 7: Make the dkms-remove script executable.

```
chmod +x dkms-remove.sh
```

Step 8: Execute the installation script using the below-mentioned command.

```
sudo ./dkms-install.sh
```

After doing these steps restart your PC, and now you can see that the wireless network option is available.

