brendan-myers / **rpi3-wifi-conf**

A simple Python script to configure wifi over bluetooth for a Raspberry Pi 3

#raspberry-pi #bluetooth #wifi #python-script #python

12 commits | **1** branch | **0** releases | **1** contributor | MIT

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brendan-myers Fix typo — Latest commit `0bc5364` on Dec 21, 2017

.gitignore	Initial commit	3 years ago
LICENSE	Initial commit	3 years ago
README.md	Fix typo	2 years ago
run.py	add scan ssid first	3 years ago

README.md

rpi3-wifi-conf

A simple Python script to configure wifi over bluetooth for a Raspberry Pi 3

Use this Android application to send wifi config details to the Pi.

Setup

1. Install bluez (Python bluetooth library):

```
sudo apt-get install python-bluez
```

2. Start the bluetooth daemon in compatibility mode, edit `/etc/systemd/system/dbus-org.bluez.service` , and modify the `ExecStart` param:

```
ExecStart=/usr/lib/bluetooth/bluetoothd -C
```

3. Load serial port profile:

```
sudo sdptool add SP
```

4. Restart your Pi:

```
sudo reboot
```

5. Pair your phone with your Raspberry Pi. Turn your phone's bluetooth on. On your Pi:

```
bluetoothctl
power on
discoverable on
scan on
```

Your phone will appear in the list of available deivces. Take note of the address of your phone.

```
trust <PHONE_ADDRESS>
pair <PHONE_ADDRESS>
```

Accept the pin, and exit bluetooth ctl:

```
quit
```

Running the script

Make script executable:

```
chmod +x run.py
```

To run:

```
sudo ./run.py
```

To run on startup, edit `/etc/rc.local` and add:

```
(sleep 10;/path/to/script/./run.py)&
```