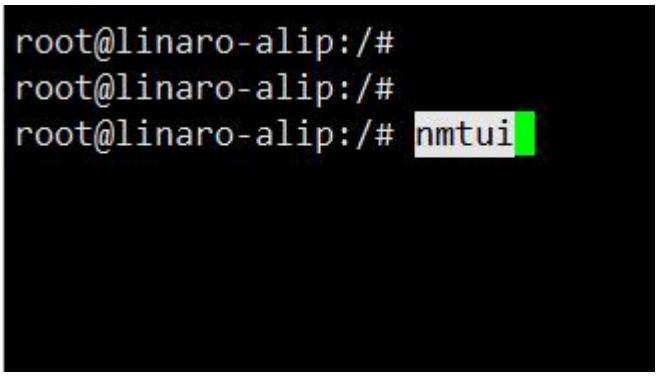
Wifibt 使用说明

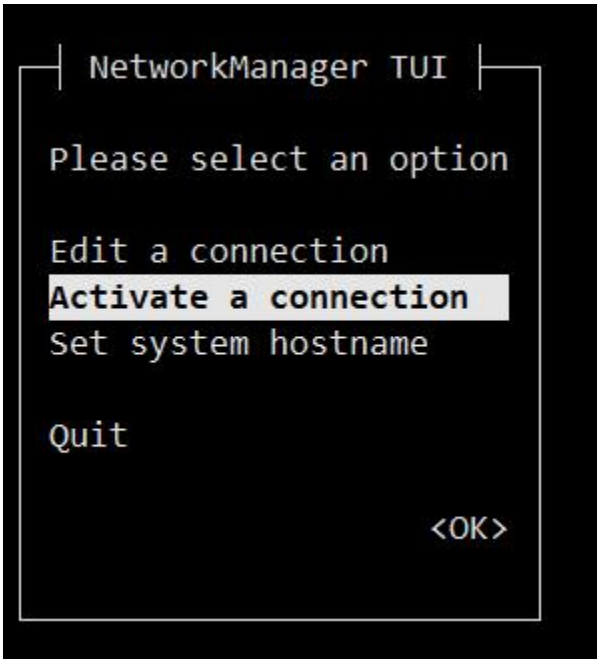
1. Wifi 连接

1.1 配置 wifi

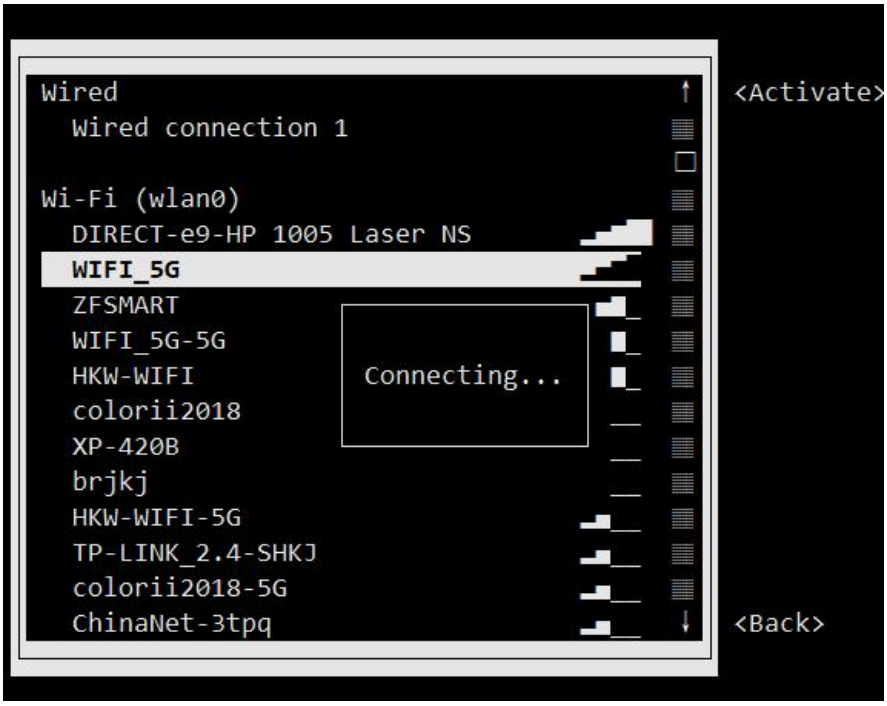
Wifi 连接使用 nmtui 图像界面进行配置,在终端输入 nmtui，然后按回车。



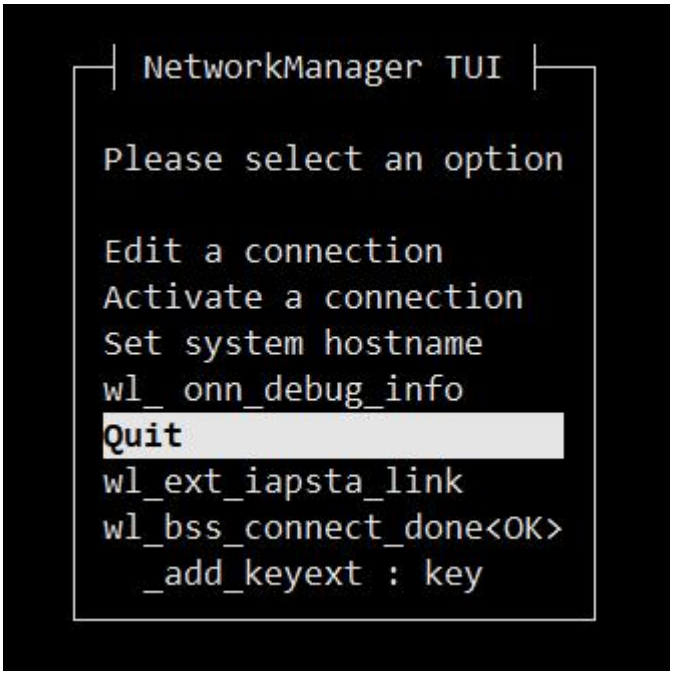
如果当前是一个新连接，选择”Activate a connection”



选择 wifi 热点，输入密码 wifi 会自动进行连接。



按键盘 Tab 键到 back 按钮回到主界面,使用上下键选择到 “Quit”菜单退出当前界面。



使用 ifconfig 命令查看当前 wifi 连接到的 ip 地址。

```
root@debian12:/# ifconfig
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 732  bytes 73202 (71.4 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 732  bytes 73202 (71.4 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

wlan0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.2.202  netmask 255.255.254.0  broadcast 192.168.3.255
        inet6 240e:3ba:30f2:dbc0:f434:891b:4cdd:3842  prefixlen 64  scopeid 0x0<global>
        inet6 fe80::bdaa:7108:1fec:4aa  prefixlen 64  scopeid 0x20<link>
        ether 14:0a:02:3c:8a:2c  txqueuelen 1000  (Ethernet)
        RX packets 217280  bytes 20063113 (19.1 MiB)
        RX errors 0  dropped 161  overruns 0  frame 0
        TX packets 225862  bytes 119395079 (113.8 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

2. bt 连接

2.1 配置 bt

使在终端输入 sudo bluetoothctl

```
root@linaro-alip:/# sudo bluetoothctl
Agent registered
[CHG] Controller 70:F7:54:8F:E2:FB Pairable: yes
[bluetooth]#
```

在终端输入 list 查看当前 bt 名称，如下当前 bt 名称为”debian12”。

```
[bluetooth]# list
Controller 14:0A:02:3C:8A:2D debian12 [default]
```

输入 scan on 可以蓝牙设备扫描

```
[bluetooth]# scan on
Discovery started
[CHG] Controller 70:F7:54:8F:E2:FB Discovering: yes
[NEW] Device 55:50:95:E1:72:B2 55-50-95-E1-72-B2
[NEW] Device 80:76:C2:FB:25:93 midea
[NEW] Device 50:55:64:DB:CE:43 50-55-64-DB-CE-43
[NEW] Device 6B:8C:44:4B:86:1C 6B-8C-44-4B-86-1C
[NEW] Device 5C:60:BA:6A:05:27 5C-60-BA-6A-05-27
[NEW] Device F0:A3:B2:71:E0:98 tcl_AC_t*ap_cabinet
[NEW] Device 4C:04:F0:F0:B2:20 4C-04-F0-F0-B2-20
[NEW] Device 52:E0:2C:43:F4:FE 52-E0-2C-43-F4-FE
[NEW] Device 4F:3D:33:AA:1C:D4 4F-3D-33-AA-1C-D4
[NEW] Device 80:3E:4F:35:5A:55 midea
[NEW] Device 70:F9:0C:D8:F0:82 70-F9-0C-D8-F0-82
[NEW] Device 72:BC:1F:03:BA:62 72-BC-1F-03-BA-62
[NEW] Device 4B:F9:65:F4:55:B5 4B-F9-65-F4-55-B5
[NEW] Device 5C:E5:03:62:B2:09 5C-E5-03-62-B2-09
[NEW] Device 48:23:BC:64:90:46 48-23-BC-64-90-46
[NEW] Device 4E:07:55:F3:F7:56 4E-07-55-F3-F7-56
[NEW] Device 44:A1:E4:1A:39:91 44-A1-E4-1A-39-91
[NEW] Device FC:DF:00:E9:7F:19 midea
[NEW] Device 42:27:68:99:45:99 42-27-68-99-45-99
[NEW] Device 7B:EF:E8:B3:97:2B 7B-EF-E8-B3-97-2B
[NEW] Device 58:10:C8:AE:58:23 58-10-C8-AE-58-23
[NEW] Device 61:E6:F4:E0:1F:46 61-E6-F4-E0-1F-46
[CHG] Device 6B:8C:44:4B:86:1C RSSI: -64
[CHG] Device 52:E0:2C:43:F4:FE RSSI: -81
[CHG] Device 52:E0:2C:43:F4:FE ServiceData Key: 0000fdaa-0000-1000-8000-00805f9b34fb
[CHG] Device 52:E0:2C:43:F4:FE ServiceData Value:
  83 0c 93 58 69 61 6f 6d 69 20 31 37              ...Xiaomi 17
[NEW] Device 67:AA:7D:6A:88:31 67-AA-7D-6A-88-31
[NEW] Device 58:BC:4A:1B:FF:0F 58-BC-4A-1B-FF-0F
[CHG] Device 55:50:95:E1:72:B2 RSSI: -62
[NEW] Device 50:C0:21:C2:0A:8D 50-C0-21-C2-0A-8D
[CHG] Device 5C:E5:03:62:B2:09 RSSI: -68
[CHG] Device 5C:E5:03:62:B2:09 Name: NZ7sO4HG2uiTxuLZBNks3aC9M
```

输入 pair + 设备地址进行设备配对，如：pair AC:73:52:FB:B1:C0

```
[bluetooth]# pair AC:73:52:FB:B1:C0
Attempting to pair with AC:73:52:FB:B1:C0
[CHG] Device AC:73:52:FB:B1:C0 Connected: yes
[DEL] Device 61:7A:05:8A:F9:7E 61-7A-05-8A-F9-7E
Request confirmation
[agent] Confirm passkey 183927 (yes/no): [DEL] Device 7C:9D:63:9F:FD:4C 7C-9D-63-9F-FD-4C
[agent] Confirm passkey 183927 (yes/no): [DEL] Device C8:95:DF:0C:42:4F BYD BLE3
[agent] Confirm passkey 183927 (yes/no): [DEL] Device 44:A1:E4:1A:39:91 44-A1-E4-1A-39-91
[agent] Confirm passkey 183927 (yes/no): [DEL] Device AC:4D:16:2E:C7:31 AC-4D-16-2E-C7-31
[agent] Confirm passkey 183927 (yes/no): yes
```

输入 remove + 设备地址删除当前配对的设备，如：remove AC:73:52:FB:B1:C0

```
[bluetooth]# remove AC:73:52:FB:B1:C0
[DEL] Device AC:73:52:FB:B1:C0 OPPO Reno7 5G
Device has been removed
[CHG] Device 50:55:64:DB:CE:43 RSSI: -93
[DEL] Device 58:BC:4A:1B:FF:0F 58-BC-4A-1B-FF-0F
```

输入 info 可以查看当前配对设备信息，如下为配对成功设备信息。

```
[OPPO Reno7 5G]# info
Device AC:73:52:FB:B1:C0 (public)
        Name: OPPO Reno7 5G
        Alias: OPPO Reno7 5G
        Class: 0x005a020c
        Icon: phone
        Paired: no
        Bonded: no
        Trusted: no
        Blocked: no
        Connected: yes
        LegacyPairing: no
        UUID: OBEX Object Push          (00001105-0000-1000-8000-00805f9b34fb)
        UUID: Audio Source              (0000110a-0000-1000-8000-00805f9b34fb)
        UUID: A/V Remote Control Target (0000110c-0000-1000-8000-00805f9b34fb)
        UUID: A/V Remote Control        (0000110e-0000-1000-8000-00805f9b34fb)
        UUID: Headset AG                (00001112-0000-1000-8000-00805f9b34fb)
        UUID: PANU                      (00001115-0000-1000-8000-00805f9b34fb)
        UUID: NAP                       (00001116-0000-1000-8000-00805f9b34fb)
        UUID: Handsfree Audio Gateway   (0000111f-0000-1000-8000-00805f9b34fb)
        UUID: Phonebook Access Server   (0000112f-0000-1000-8000-00805f9b34fb)
        UUID: PnP Information           (00001200-0000-1000-8000-00805f9b34fb)
        UUID: Message Access Server     (00001132-0000-1000-8000-00805f9b34fb)
        UUID: Vendor specific           (00000000-0000-0000-0000-000000000000)
        RSSI: -52
```

输入 scan off 和 exit 可以退出当前 bt 配置。

sudo bluetoothctl

在 bluetoothctl 中执行以下命令：

```
list                          # 查看适配器
power on                      # 打开电源
scan on                       # 开始扫描
devices                       # 显示发现的设备
pair <设备地址>               # 配对设备
connect <设备地址>            # 连接设备
trust <设备地址>              # 信任设备
exit                          # 退出
```