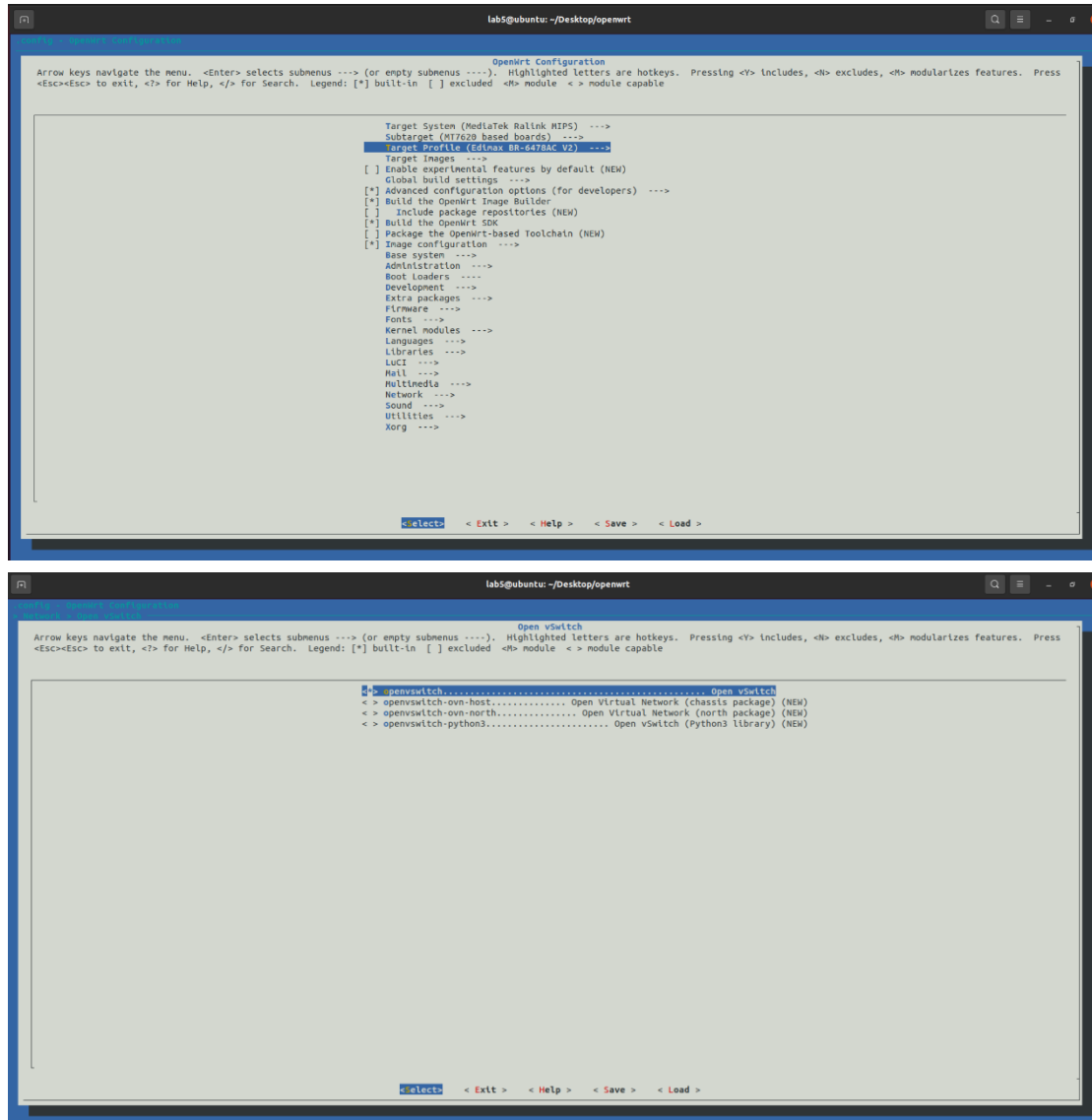
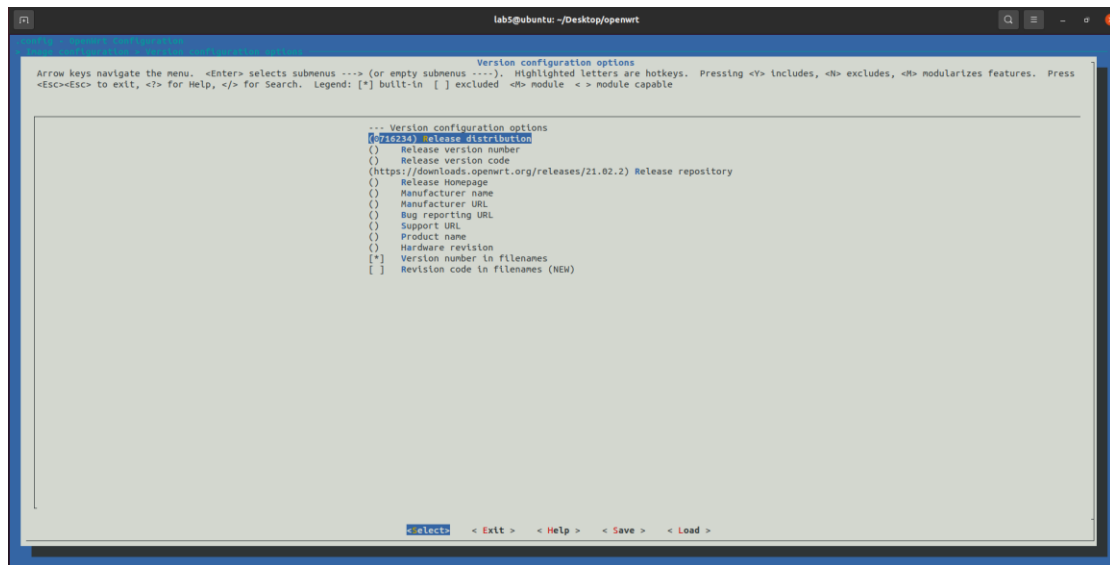
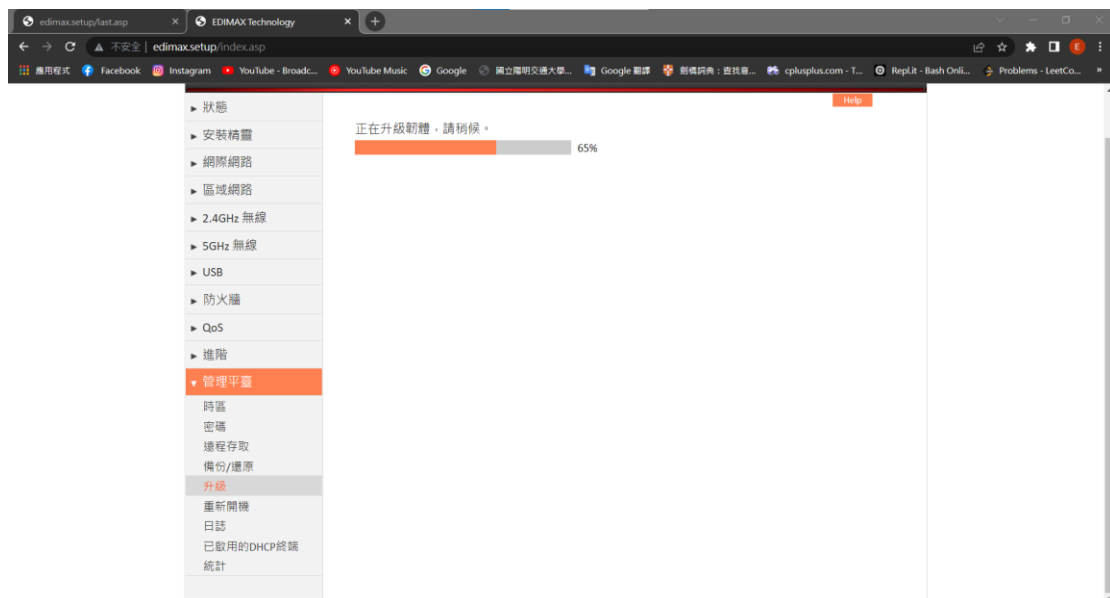


1. I use self-compiled image. Following the instructions in ppt then successfully build the image. First install the dependent package, pull openwrt by git, use feeds to update and install the packets that can be choose in menuconfig, then start compiling.





2.



Ssh:

Ovs-ctl -V:

```
root@OpenWrt: ~
-----
root@OpenWrt:~# vim /etc/config/wireless
root@OpenWrt:~# vim /etc/config/wireless
root@OpenWrt:~# vim /etc/config/wireless
root@OpenWrt:~# vim /etc/config/wireless
root@OpenWrt:~# root@OpenWrt:~# wifi
root@OpenWrt:~# exit
Connection to 192.168.1.1 closed.

C:\Users\ERIC>ssh root@192.168.1.1

BusyBox v1.33.2 (2022-02-16 20:29:10 UTC) built-in shell (ash)

  _   _          _ 
 | | | | _   _ | | | |
 | |_| | |_| | | |_| |
 |  __/|  __/| |  __/
 |_|_|_|_|_|_|_|_|_|_|
  |_| W I R E L E S S   F R E E D O M

-----
0716234 21.02.2, rl6495-bf0c965af0
-----
=== WARNING! ===
There is no root password defined on this device!
Use the "passwd" command to set up a new password
in order to prevent unauthorized SSH logins.
-----
root@OpenWrt:~# ovs-ctl -V
/usr/share/openvswitch/scripts/ovs-ctl (Open vSwitch) 2.14.0
root@OpenWrt:~#
```

ubus call system board:

```
root@OpenWrt: ~
  _   _          _ 
 | | | | _   _ | | | |
 | |_| | |_| | | |_| |
 |  __/|  __/| |  __/
 |_|_|_|_|_|_|_|_|_|_|
  |_| W I R E L E S S   F R E E D O M

-----
0716234 21.02.2, rl6495-bf0c965af0
-----
=== WARNING! ===
There is no root password defined on this device!
Use the "passwd" command to set up a new password
in order to prevent unauthorized SSH logins.
-----
root@OpenWrt:~# ovs-ctl -V
/usr/share/openvswitch/scripts/ovs-ctl (Open vSwitch) 2.14.0
root@OpenWrt:~# ubus call system board
{
  "kernel": "5.4.179",
  "hostname": "OpenWrt",
  "system": "MediaTek MT7620A ver:2 eco:6",
  "model": "Edimax BR-6478AC v2",
  "board_name": "edimax,br-6478ac-v2",
  "release": {
    "distribution": "0716234",
    "version": "21.02.2",
    "revision": "rl6495-bf0c965af0",
    "target": "ramips/mt7620",
    "description": "0716234 21.02.2 rl6495-bf0c965af0"
  }
}
root@OpenWrt:~# wifi status
```

Wifi status:

```
root@OpenWrt:~# wifi status
{
  "radio0": {
    "up": true,
    "pending": false,
    "autostart": true,
    "disabled": false,
    "retry_setup_failed": false,
    "config": {
      "path": "pci0000:00/0000:00:00.0/0000:01:00.0",
      "channel": "36",
      "band": "5g",
      "htmode": "VHT80"
    },
    "interfaces": [
      {
        "section": "default_radio0",
        "ifname": "wlan0",
        "config": {
          "mode": "ap",
          "ssid": "OpenWrt5G",
          "key": "6666666666",
          "encryption": "psk2",
          "network": [
            "lan"
          ],
          "mode": "ap"
        },
        "vlangs": [
        ],
        "stations": [
        ]
      }
    ]
  },
  "radio1": {
    "up": false,
    "pending": false,
    "autostart": false,
    "disabled": true,
    "retry_setup_failed": false,
    "config": {
      "path": "pci0000:00/0000:00:00.0/0000:01:00.0",
      "channel": "36",
      "band": "5g",
      "htmode": "VHT80"
    },
    "interfaces": [
    ],
    "vlangs": [
    ],
    "stations": [
    ]
  }
}
```

```

    "radiol": {
      "up": true,
      "pending": false,
      "autostart": true,
      "disabled": false,
      "retry_setup_failed": false,
      "config": {
        "path": "platform/10180000.wmac",
        "channel": "1",
        "band": "2g",
        "htmode": "HT20"
      }
    },
    "interfaces": [
      {
        "section": "default_radiol",
        "ifname": "wlan1",
        "config": {
          "mode": "ap",
          "ssid": "OpenWrt2.4G",
          "key": "66666666",
          "encryption": "psk2",
          "network": [
            "lan"
          ],
          "mode": "ap"
        }
      },
      "vlangs": [
      ],
      "stations": [
      ]
    ]
  }
}

```

Ping 8.8.8.8:

```

root@OpenWrt: ~
"mode": "ap",
"ssid": "OpenWrt2.4G",
"key": "66666666",
"encryption": "psk2",
"network": [
  "lan"
],
"mode": "ap"
},
"vlangs": [
],
"stations": [
]
}
]
}
root@OpenWrt:~# ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: seq=0 ttl=59 time=2.980 ms
64 bytes from 8.8.8.8: seq=1 ttl=59 time=2.900 ms
64 bytes from 8.8.8.8: seq=2 ttl=59 time=2.840 ms
64 bytes from 8.8.8.8: seq=3 ttl=59 time=2.840 ms
^C
--- 8.8.8.8 ping statistics ---
4 packets transmitted, 4 packets received, 0% packet loss
round-trip min/avg/max = 2.840/2.890/2.980 ms
root@OpenWrt:~#

```

4.

The only difficulty I encounter is I misjudge the size of the image. When I compile to half the os tell me the storage is not enough and then the compile process terminate, costing me a lot of time to redo.