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# QCsuper Installation Manual-in Ubuntu16.04 & 18.04

lyx\_623 · [Follow](#)

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主要能在Ubuntu上的wireshark觀看手機(需root & Qualcomm)在RRC底層的封包, 如SIB, 且能和OAI、srsLTE等軟體裝在一起(有夠沒用)

## Install Wireshark

```
sudo apt-get update  
sudo add-apt-repository ppa:wireshark-dev/stable  
sudo apt-get install wireshark
```

安裝時會詢問你是否要讓現在的使用者存取封包, 請選擇YES。

## If wireshark cant work(permission denied)

```
sudo dpkg-reconfigure wireshark-common #Select "Yes"  
chmod +x /usr/bin/dumpcap
```

## clone QCsuper

若以下網址無法clone(版本更新改網址), 請至github搜尋qcsuper, 複製連結即可。

```
cd ~  
sudo git clone https://github.com/P1sec/QCSuper.git  
-----  
cd QCsuper (to check if it complete)
```

## Install python3

```
sudo apt install python3-pip  
sudo pip3 install --upgrade pyserial crcmod https://github.com/P1sec/pycrate/archive/master.zip
```

## Install adb(& android tools)

```
sudo apt-get install adb  
sudo apt-get install android-tools-adb android-tools-fastboot
```

## Troubleshooting (necessary)

```
sudo adb kill-server  
sudo adb start-server
```

以上的安裝皆不會有錯誤訊息，請留意是否順利完成，接下來就把UE(需root)接上電腦，到開發人員選項開啟除錯模式。

執行以下指令時手機會跳出是否配對的選項，要按接受。

## Got the device detected

```
sudo adb devices  
-----  
72291912      device  
or  
sudo adb shell  
-----  
shell@klte:/ $ ls  
看是否有手機裡的設定檔
```

數字部分是隨機的， device那邊若出現unauthorized是沒抓到， 請確認  
Troubleshooting那邊是否有順利完成。

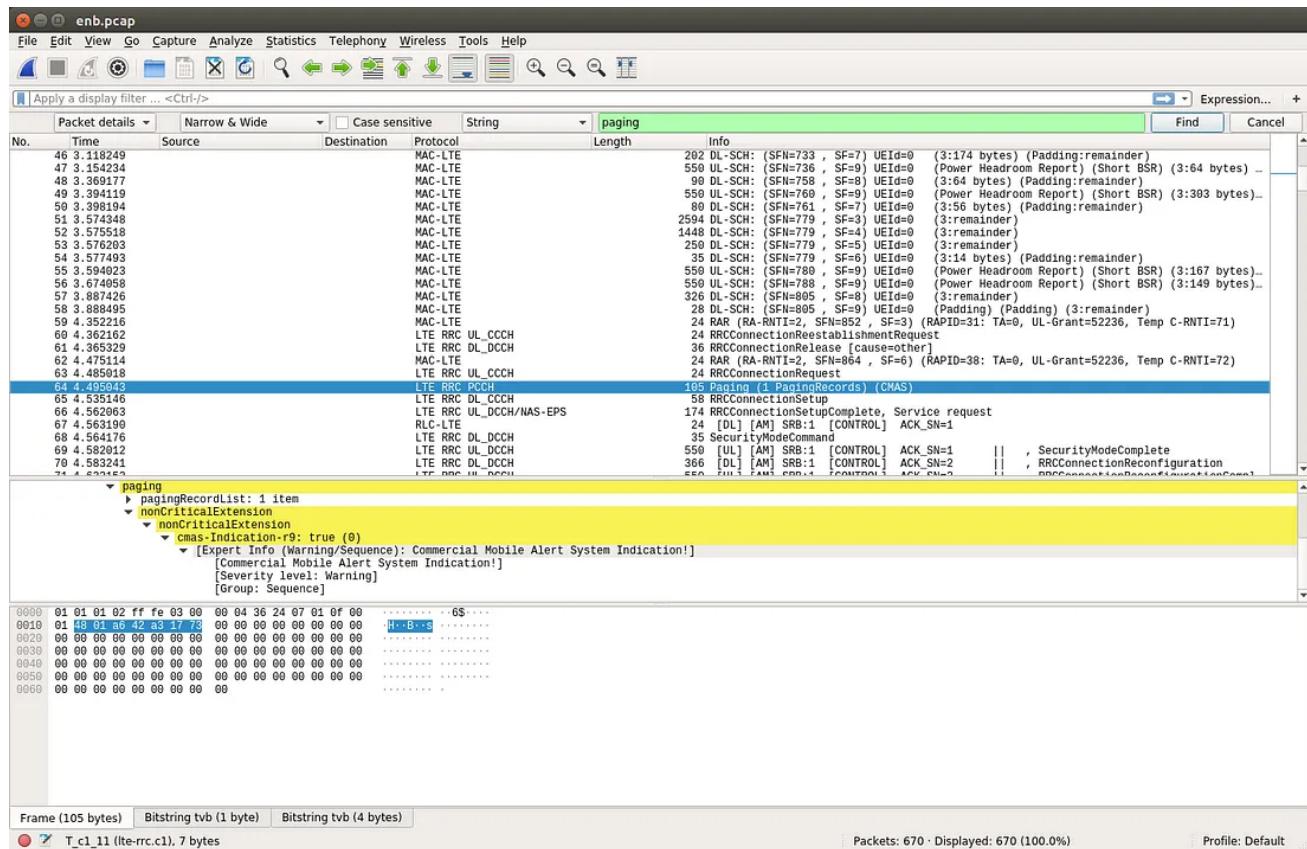
有wireshark、 python和adb後， 接著開啟QCsuper:

## Open QCsuper (if it update, please check your filename)

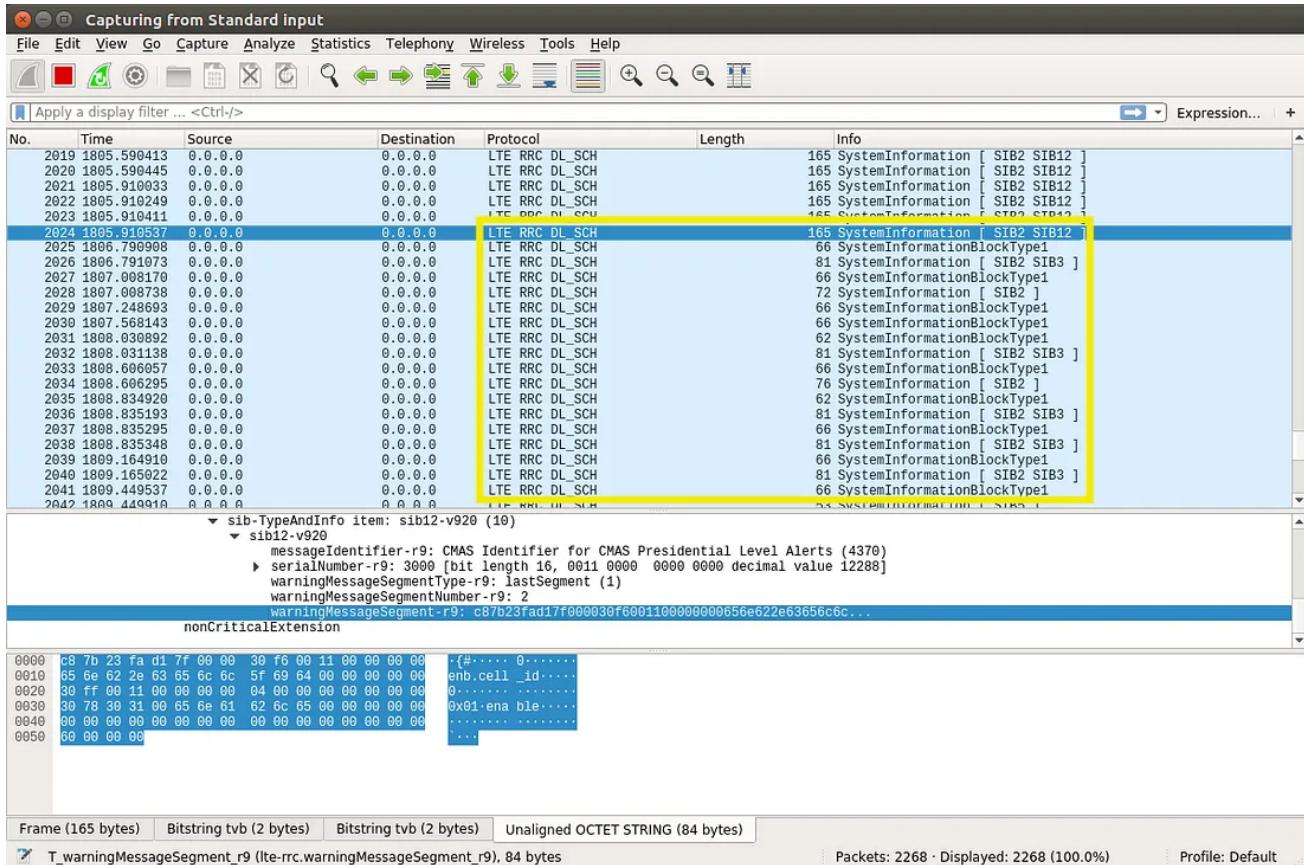
```
cd QCsuper
sudo ./qcsuper.py --adb --wireshark-live
```

## Results

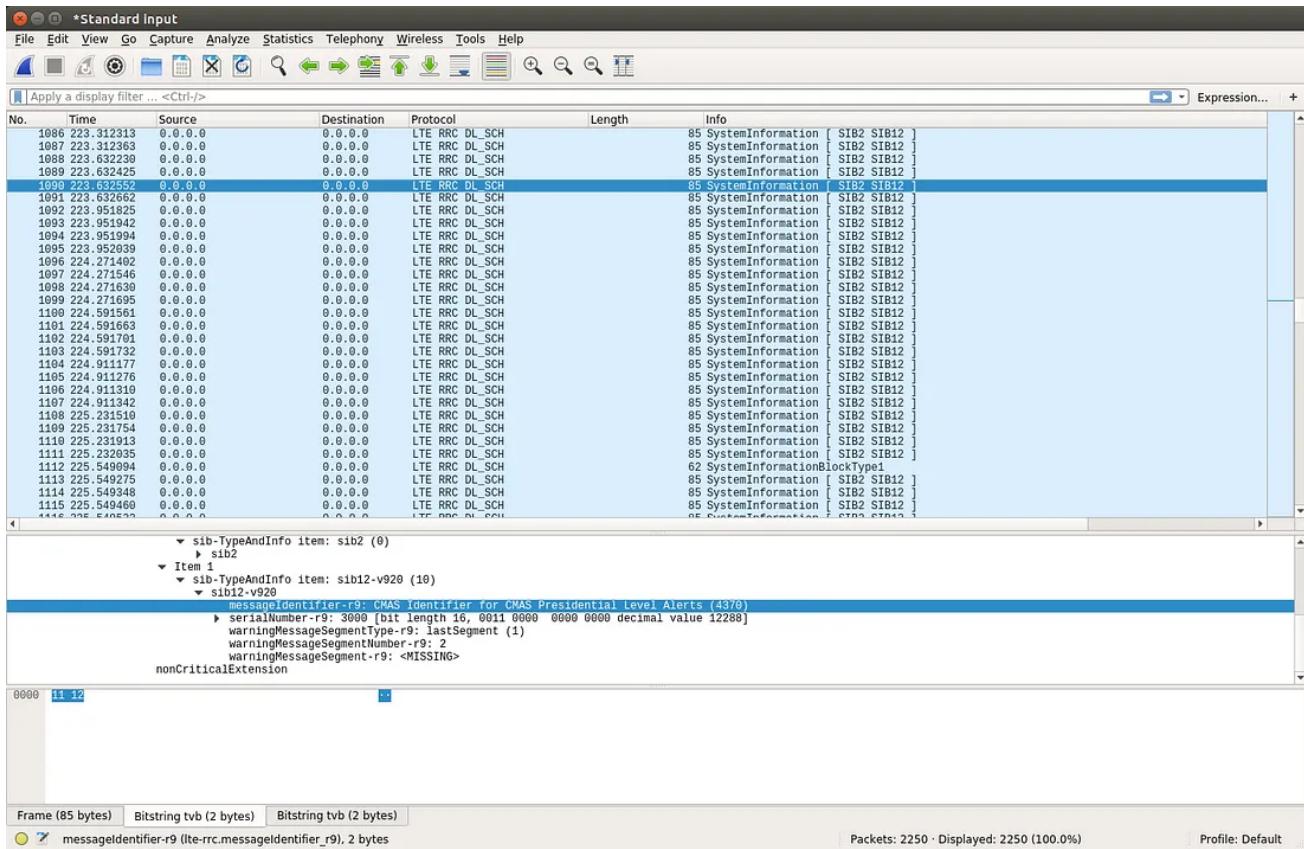
- 截圖是連結Samsung s5手機， 目前在s5和s6實測過
- 能看到基地台呼叫手機的paging訊息

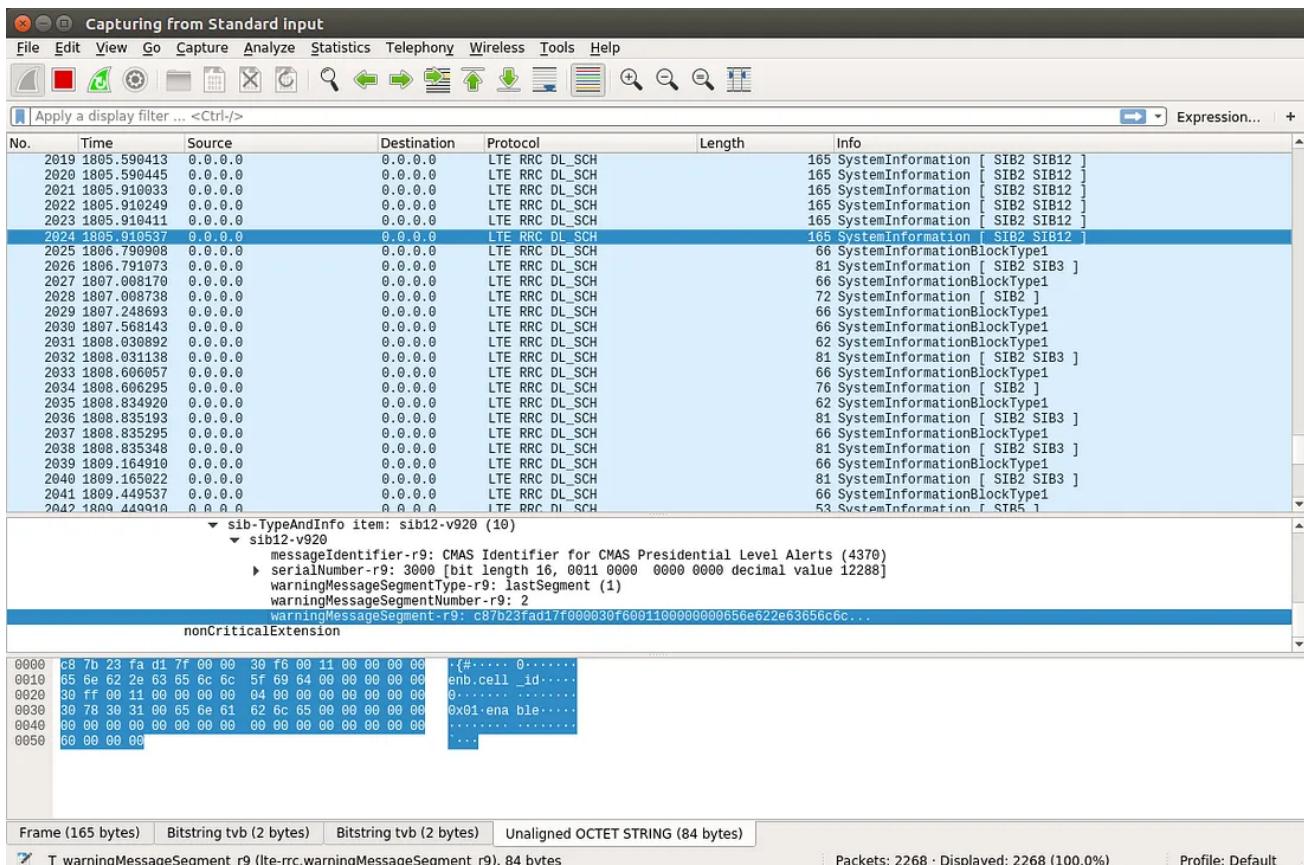


- 能看到手機接收到的SIB訊息（以SIB1、2、3為例）



- 能看到ETWS/CMAS (SIB10/12) 之手機端接收的參數





## Done

more:

<https://www.youtube.com/watch?v=EP1PnzMUaCg>

If you want to install in windows:

<https://www.jishuwen.com/d/2ost/zh-tw>



g may can help you:

<http://askubuntu.com/questions/863587/adb-device-list-doesnt-show-phone>

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cool: <https://www.youtube.com/channel/UCbYWe7JDeUwL3vE5mxTg4Uw>

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## Install pysim and prog example on Ubuntu18.04

大約是一年前玩的了，從hackmd搬運過來，給有需要在linux上自己燒/讀SIM卡的人（誰會/有這種需求啊）一點參考。 #prog SIM #pysim

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## FTPS Downloader in python & shell

筆記一下，原本想都用shell，但如果是FTPS就要用lftp，由於要額外安裝它且問題很多，於是就直接選擇舒適的python，再以shell呼叫它。

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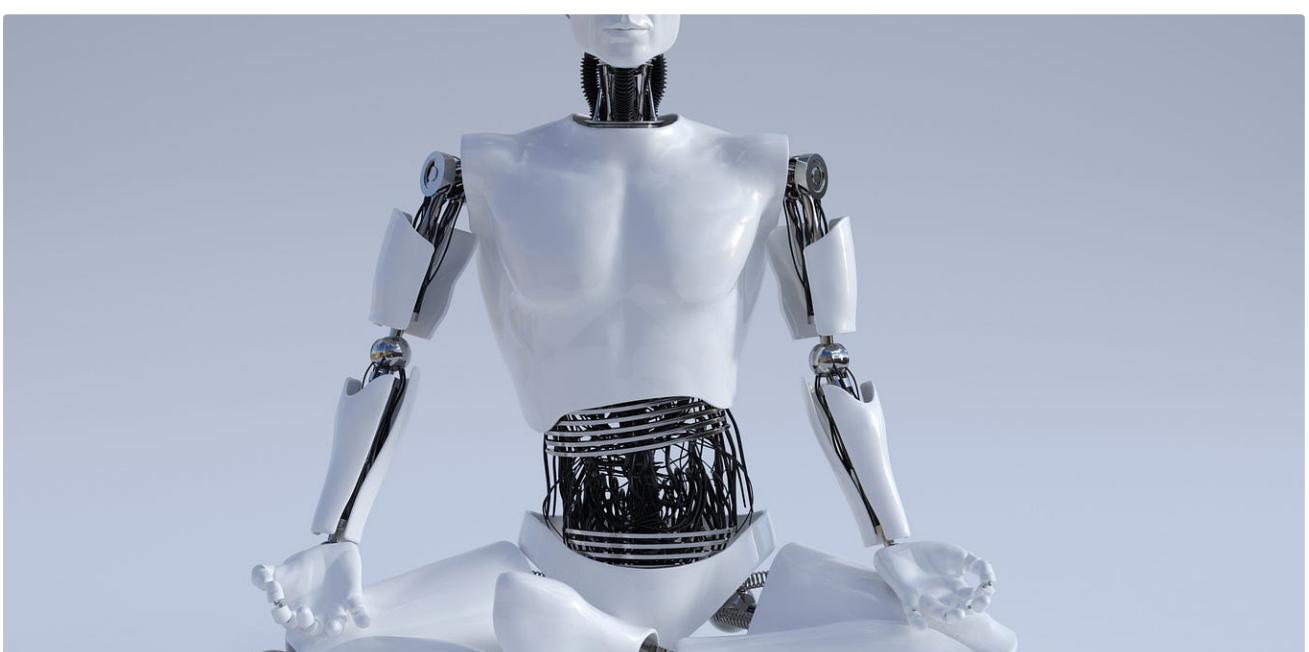
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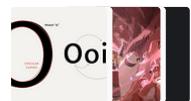
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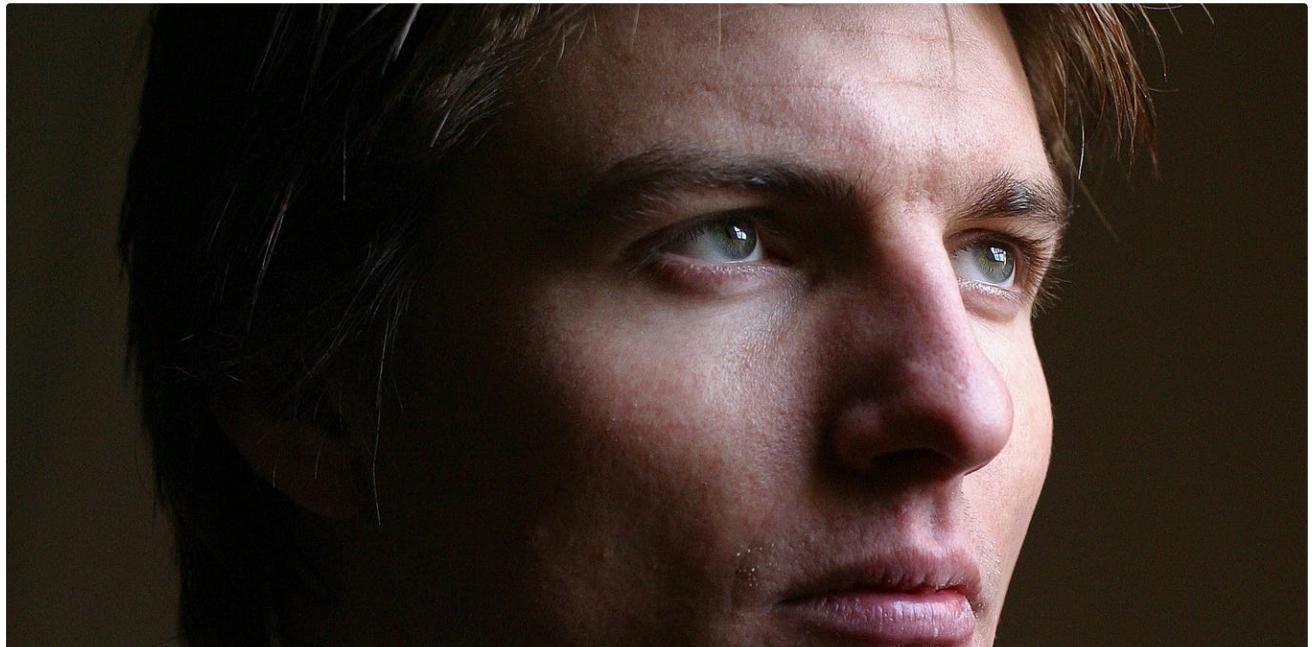
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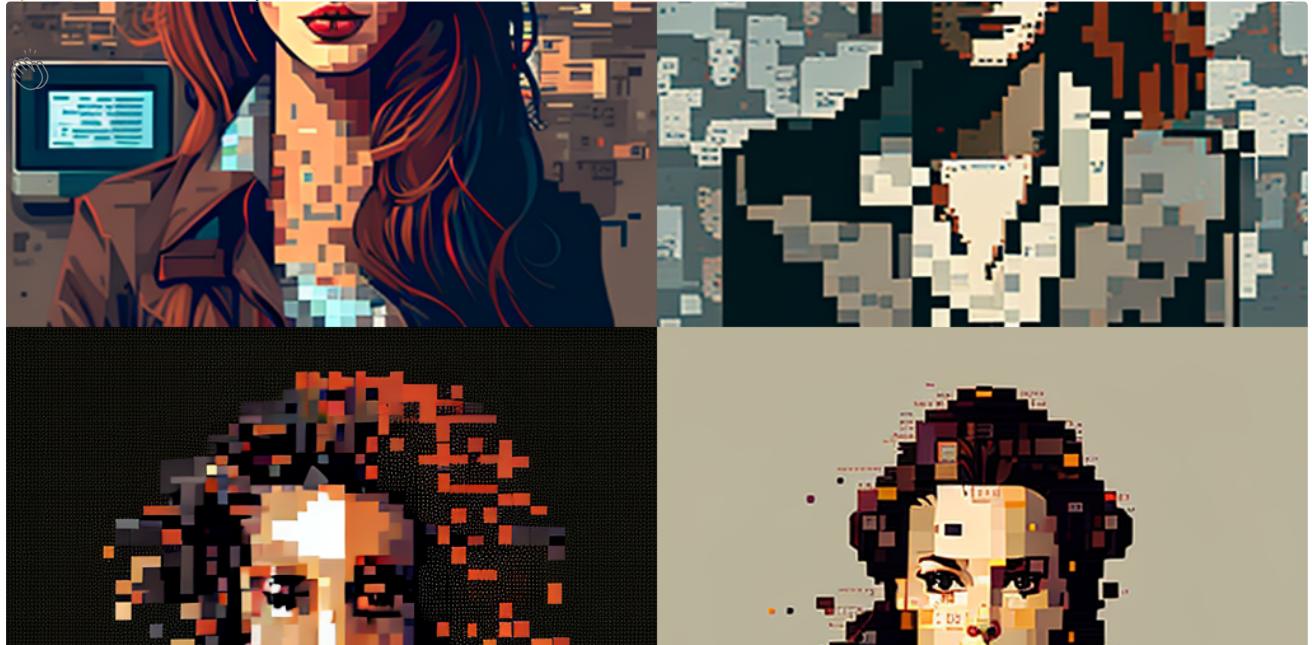


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```
commit ffcfc01b7ef612893529cef188cc1961ed64521 (HEAD -> master, origin/master, origin/bors/staging, origin/HEAD)
Merge: fc991bf81 5159211da
Author: iohk-bors[bot] <43231472+iohk-bors[bot]@users.noreply.github.com>
Date:   Tue Nov 8 17:44:34 2022 +0000

Merge #4563

4563: New p2p topology file format r=coot a=coot

Fixes #4559.

Co-authored-by: Marcin Szamotulski <coot@coot.me>
Co-authored-by: olgahryniuk <67585499+olgahryniuk@users.noreply.github.com>

commit fc991bf814891a9349f22cf278632d39b04d4628
Merge: 5633d1c05 5cd94d372
Author: iohk-bors[bot] <43231472+iohk-bors[bot]@users.noreply.github.com>
Date:   Tue Nov 8 13:07:58 2022 +0000

Merge #4613

4613: Update building-the-node-using-nix.md r=CarlosLopezDeLara a=CarlosLopezDeLara

Build the cardano-node executable. No default configuration.

Co-authored-by: CarlosLopezDeLara <carlos.lopezdelara@iohk.io>
```

commit 5159211da7a644686a973e4fb316b64ebbla34c  
Author: olgahryniuk <67585499+olgahryniuk@users.noreply.github.com>  
Date: Tue Nov 8 13:25:10 2022 +0200

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