BUILDING A WEBRTC APP

WHOAMI

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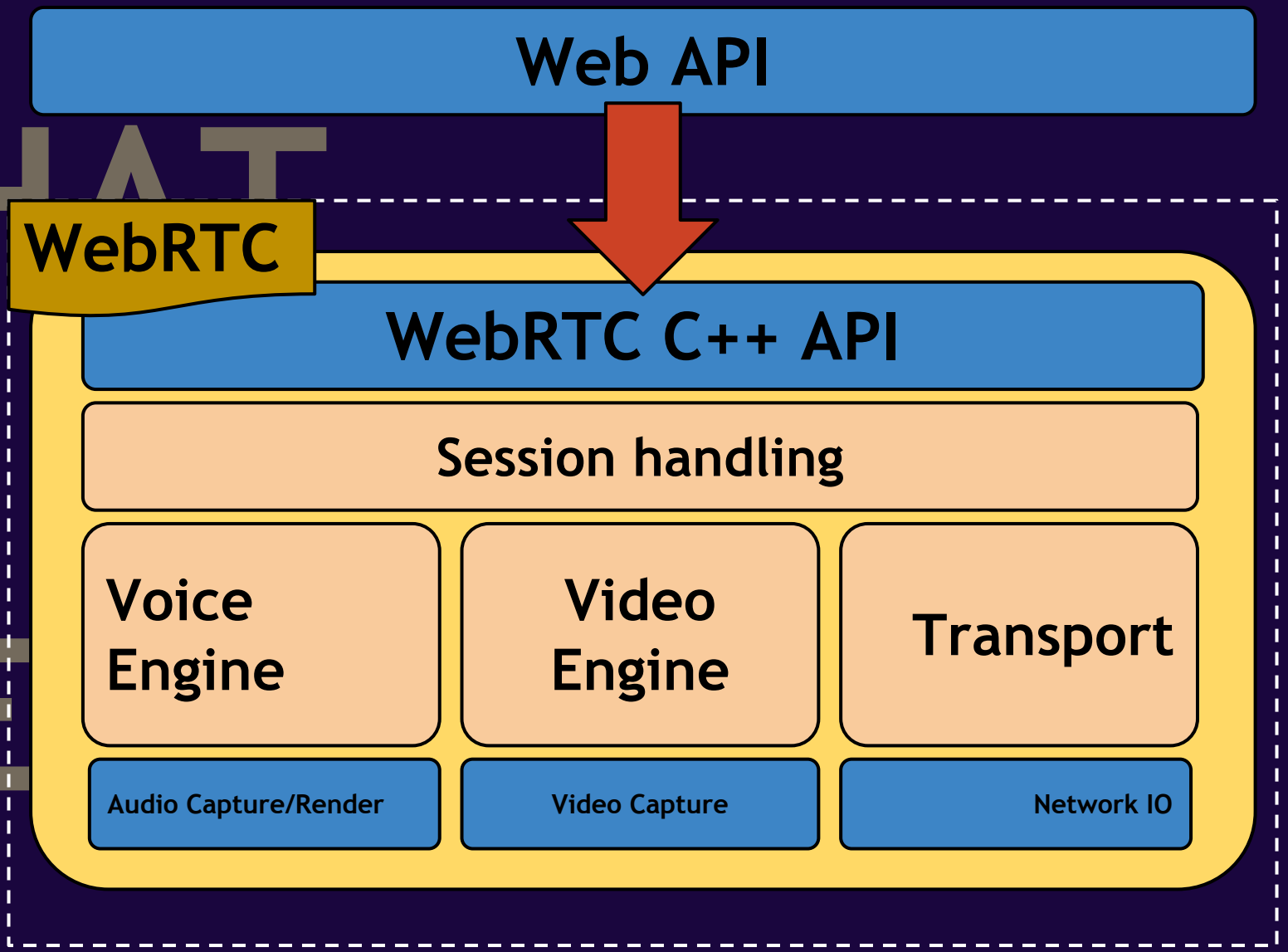
WORKING AT TUENTI

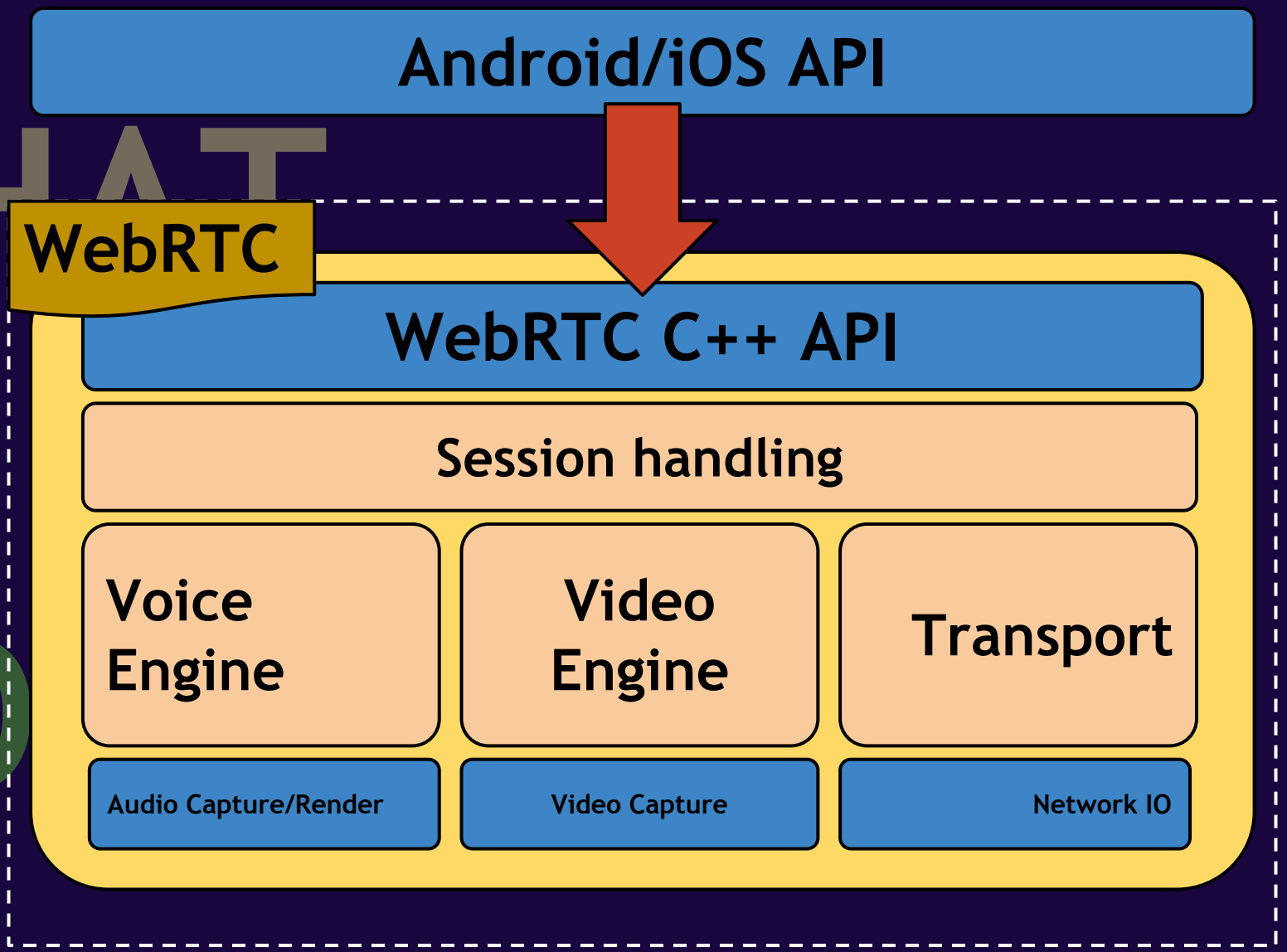
WHAT IS WEBRTC

WHAT IS WE

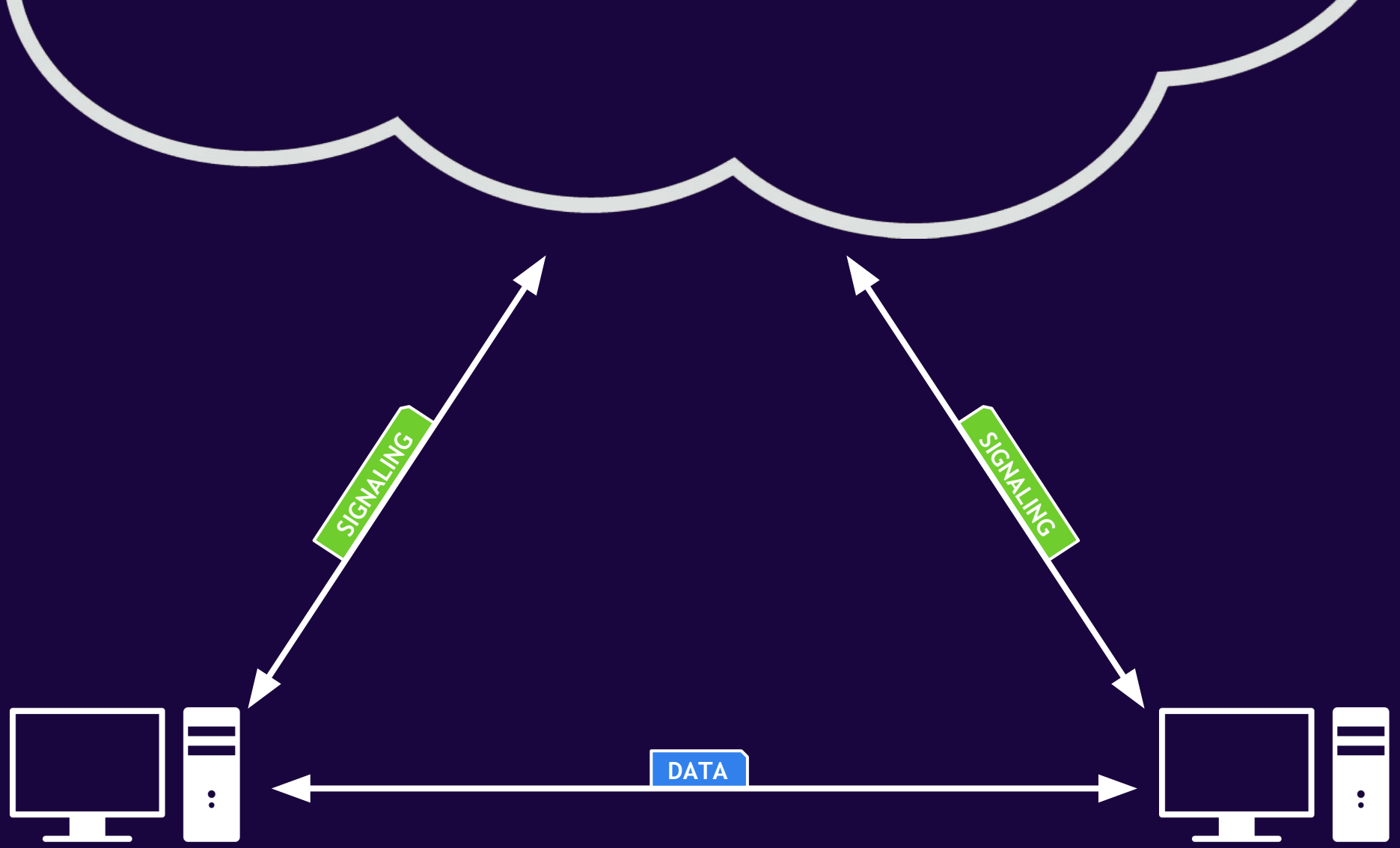

Web API
WebRTC
WebRTC C++ API
Session handling
Voice Engine
Video Engine
Transport
Audio Capture/Render
Video Capture
Network IO

WHAT IS MOBILERTC

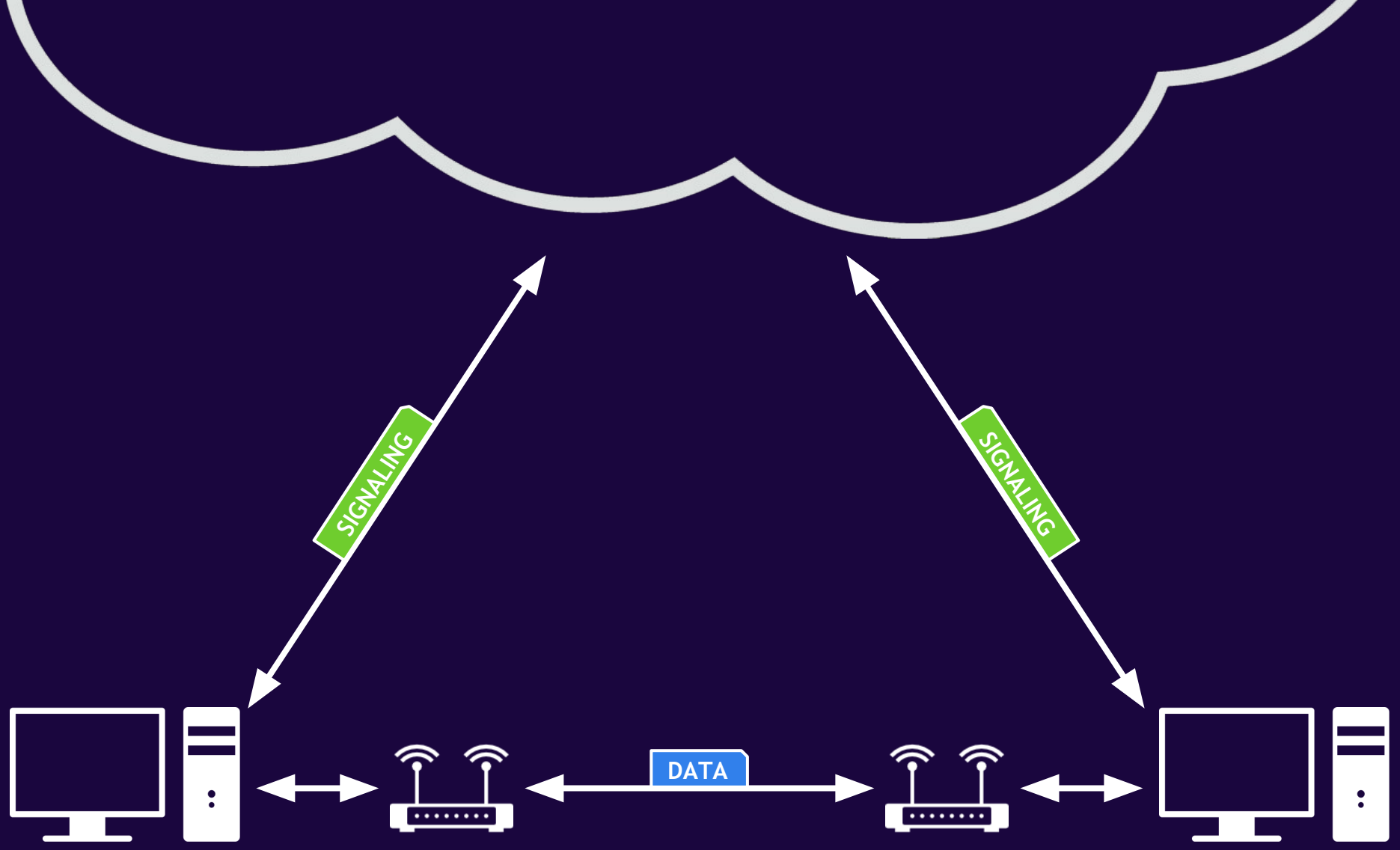
WHAT
IS
MO


Android/iOS API
WebRTC
WebRTC C++ API
Session handling
Voice Engine
Video Engine
Transport
Audio Capture/Render
Video Capture
Network IO

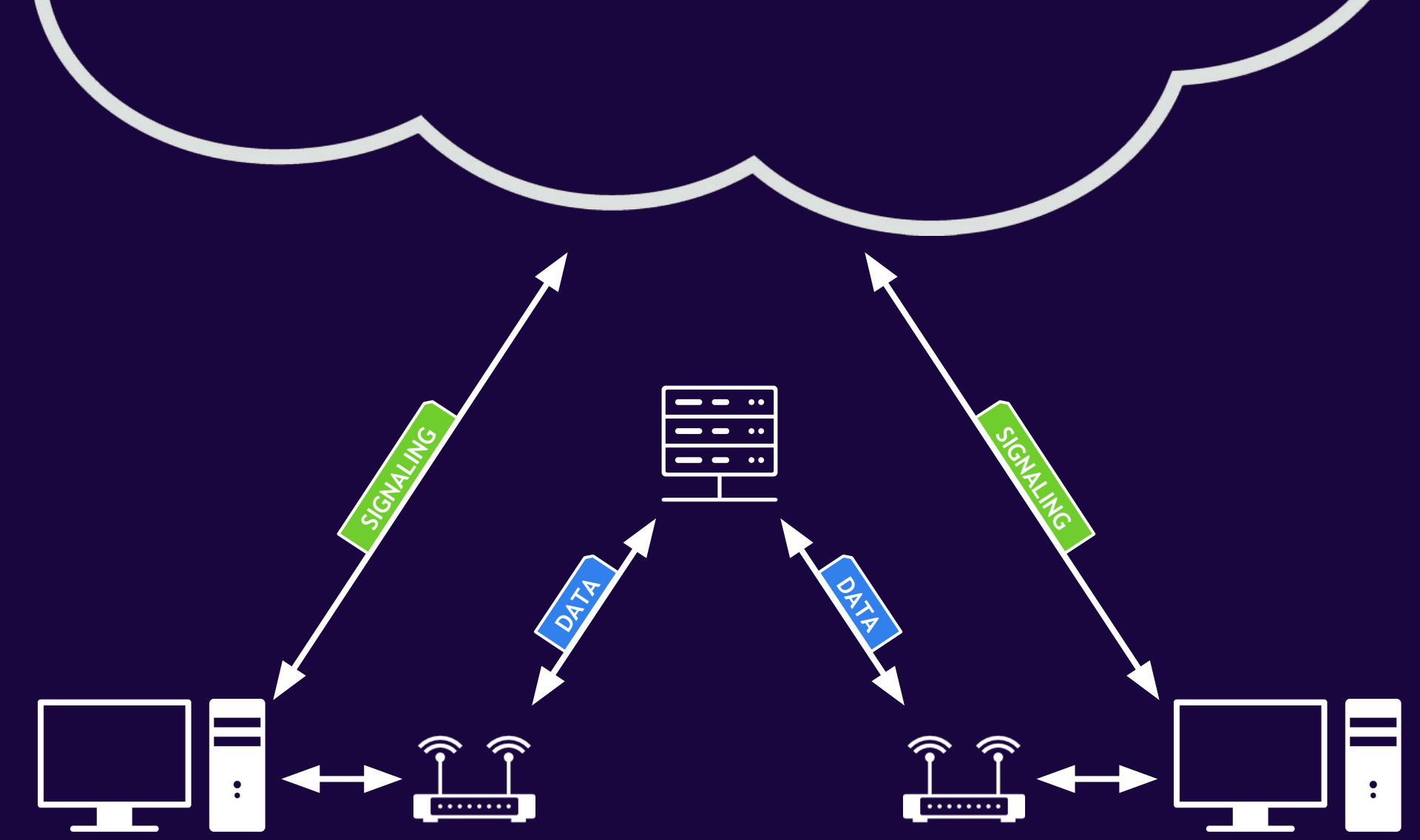
WHAT
IS NOT
MOBILERTC



LOCAL CONNECTION



SERVER REFLEXIVE CONNECTION

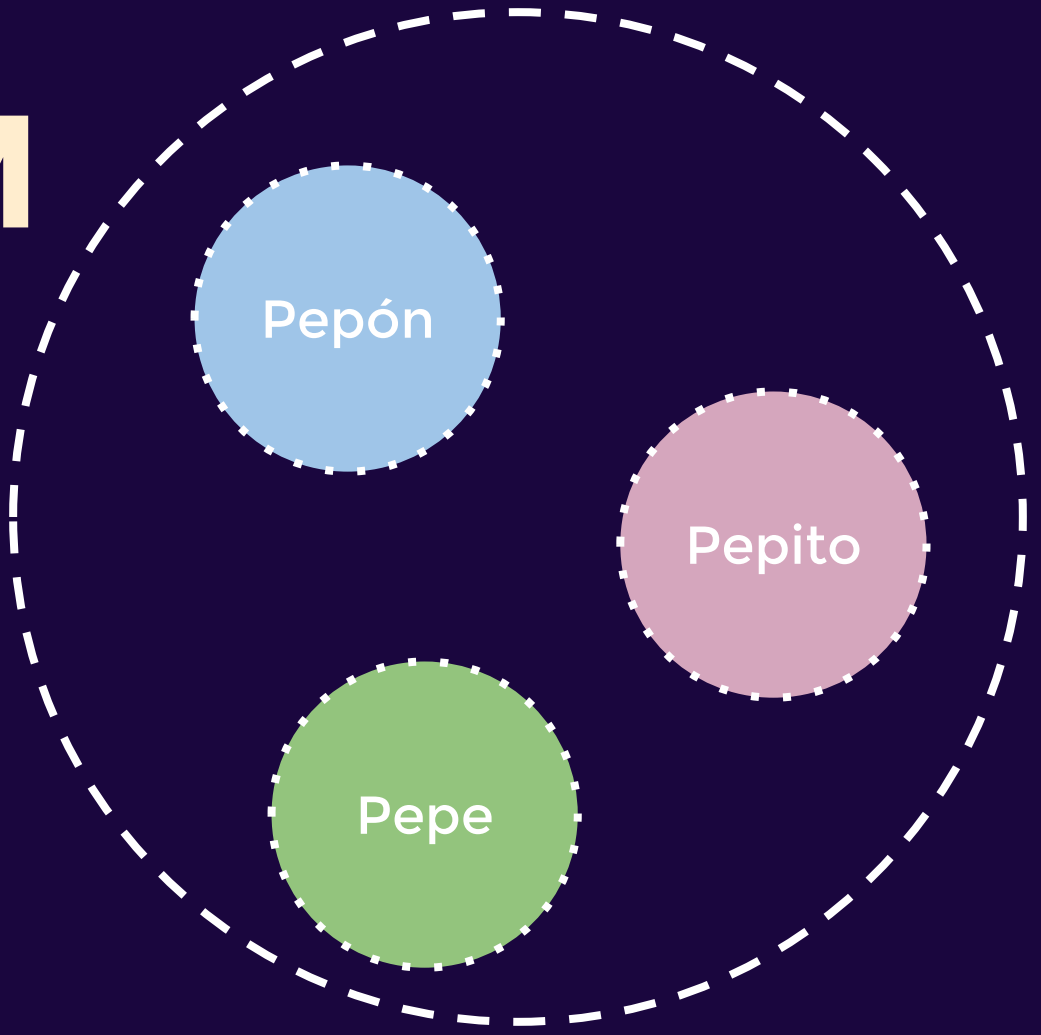


RELAYED CONNECTION

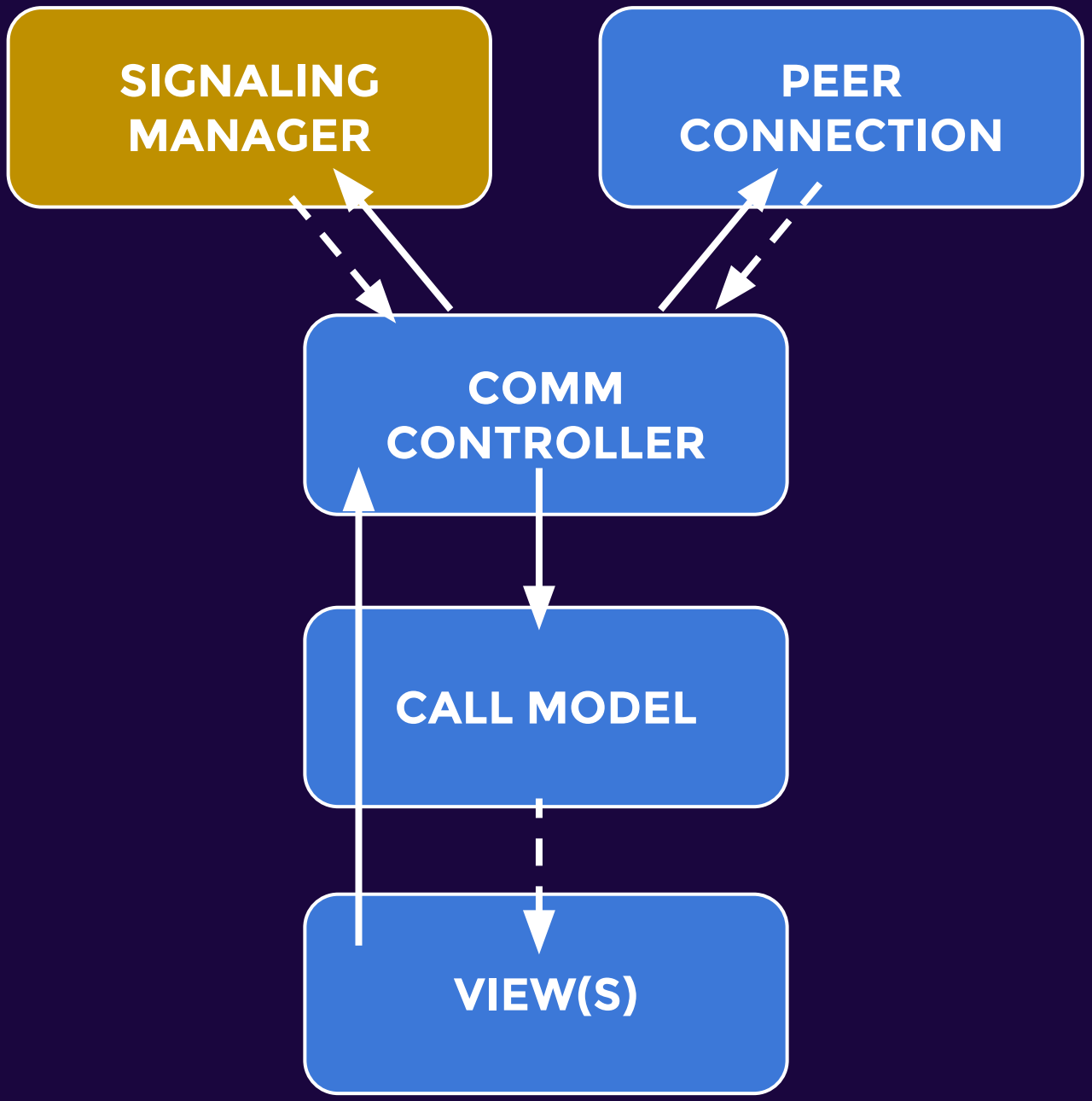
LET’S
DO
THIS

```
$ git clone https://chromium.googlesource.com/chromium/tools/depot_tools.git

$ gclient config http://webrtc.googlecode.com

$ ./build/install-build-deps.sh

$ gclient sync --force

$ gclient runhooks --force

$ echo “target_os = [‘android’, ‘unix’]” >> .gclient

$ ...

$ exit
```

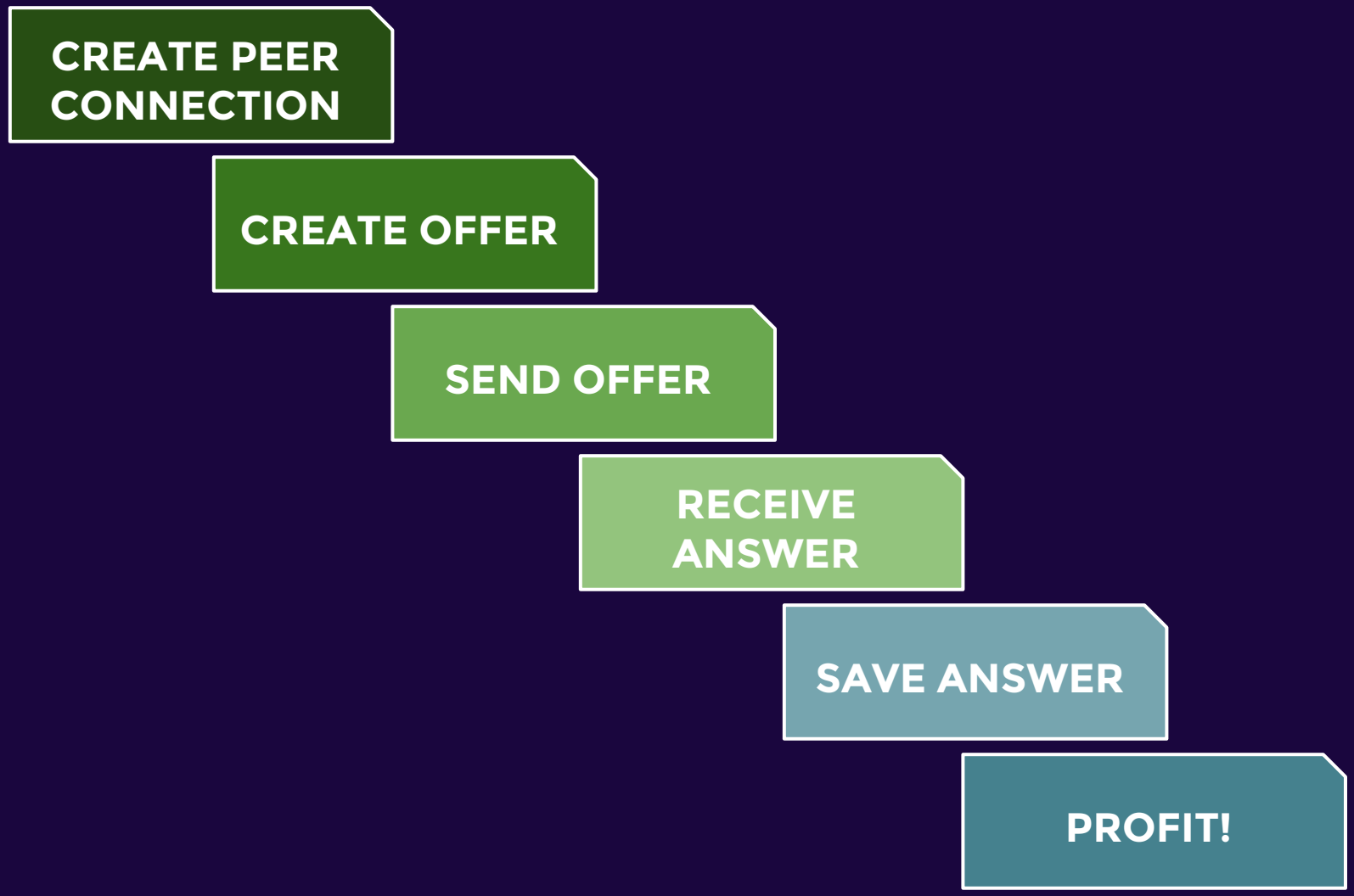
CHAT ROOM



...HTTP + POLLING...


SIGNALING MANAGER
PEER CONNECTION
COMM CONTROLLER
CALL MODEL
VIEW(S)

CALLER


CREATE PEER CONNECTION
CREATE OFFER
SEND OFFER
RECEIVE ANSWER
SAVE ANSWER
PROFIT!

CALLEE

RECEIVE OFFER

CREATE PEER CONNECTION

SAVE OFFER

CREATE ANSWER

SEND ANSWER

PROFIT!

BOTH

THANK YOU!

QUESTIONS?