OPEN JS DAYS

WEBRTC

and how to make friends when you are a geek

Olivier Wietrich - Software Engineer, CriticalMass

OPEN JS DAYS

WEBRTC

et comment se faire des amis lorsqu’on est un geek

Olivier Wietrich - Software Engineer, La Nouvelle France

bredele

building a robot is not that good of an idea…

WEBRTC

Whatchu talkin’ bout willis?

- A new common and plugin free platform to allow real time communication in your browser
- Low cost, high quality audio,video and data communication

API

make friends with only 3 API

- MediaStream
- RTCPeerConnection
- RTChannelData

Get yourself out there

MediaStream

Media stream

and how to get a mirror for cheap

MediaStream represents synchronized streams of media such as video and audio.

DEMO

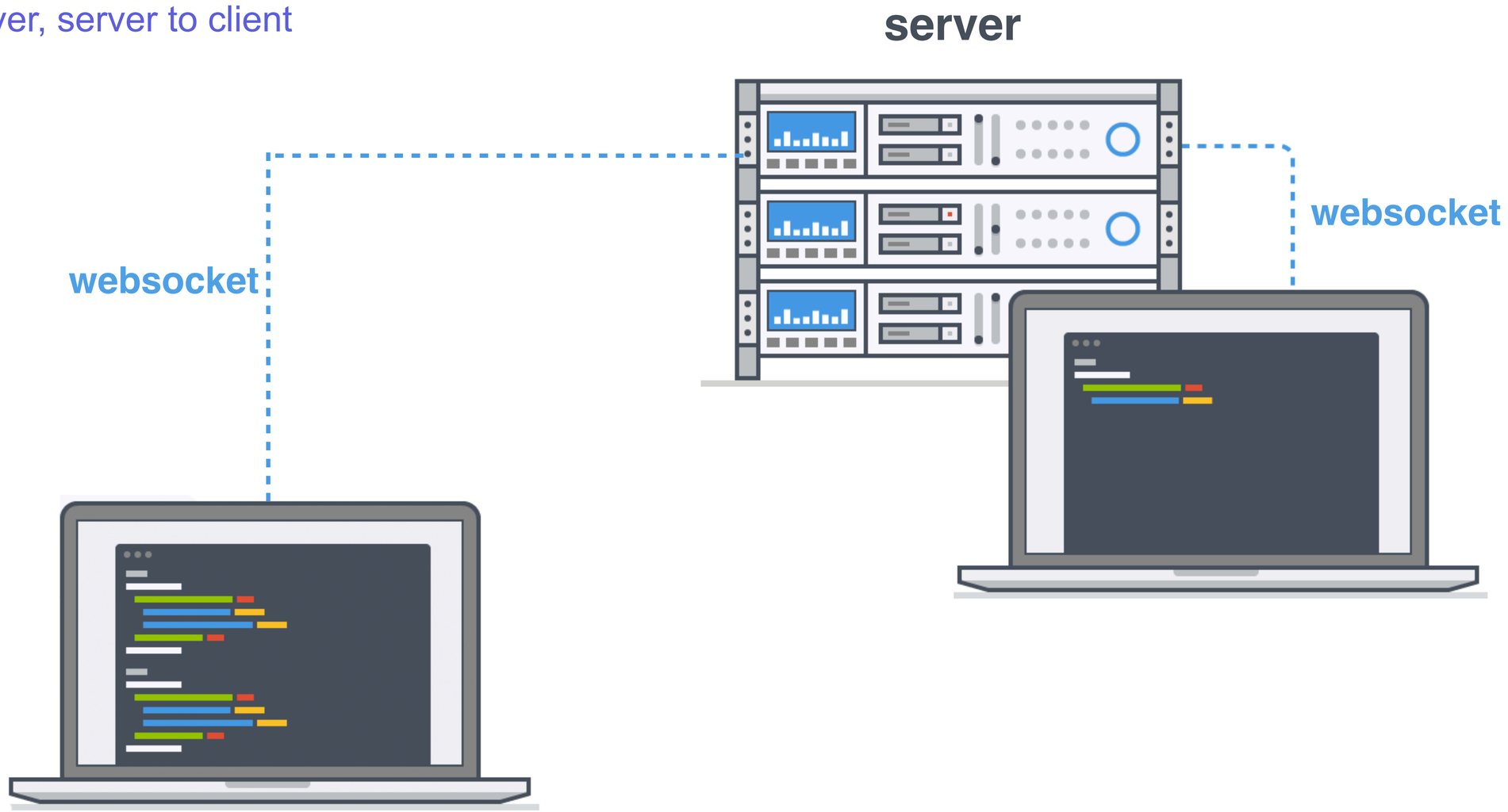
https://webcamtoy.com/app/
http://shinydemos.com/facekat/
http://idevelop.ro/ascii-camera/

Create real connection with people

RTCPeerConnection

Old time

client to server, server to client

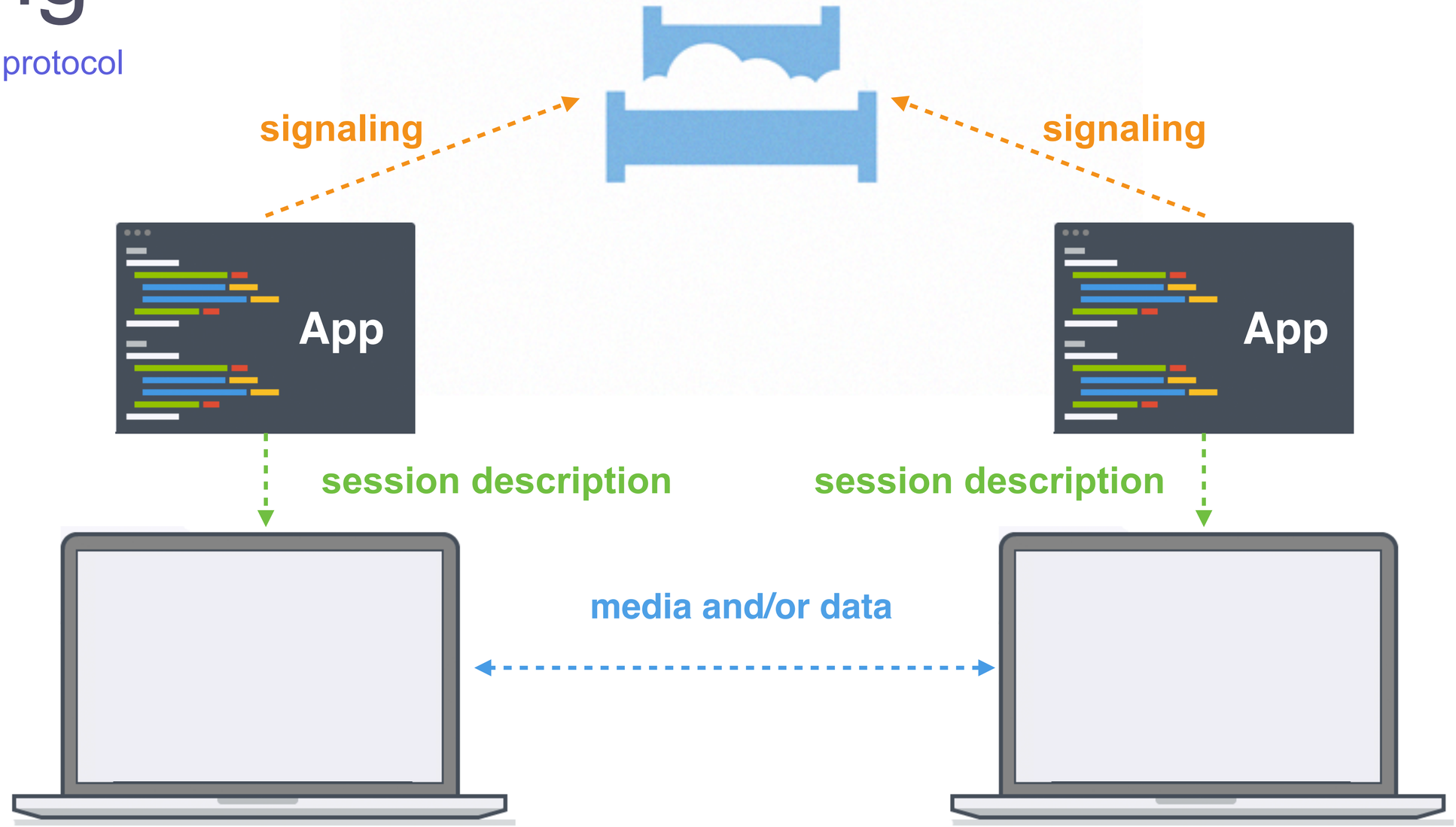


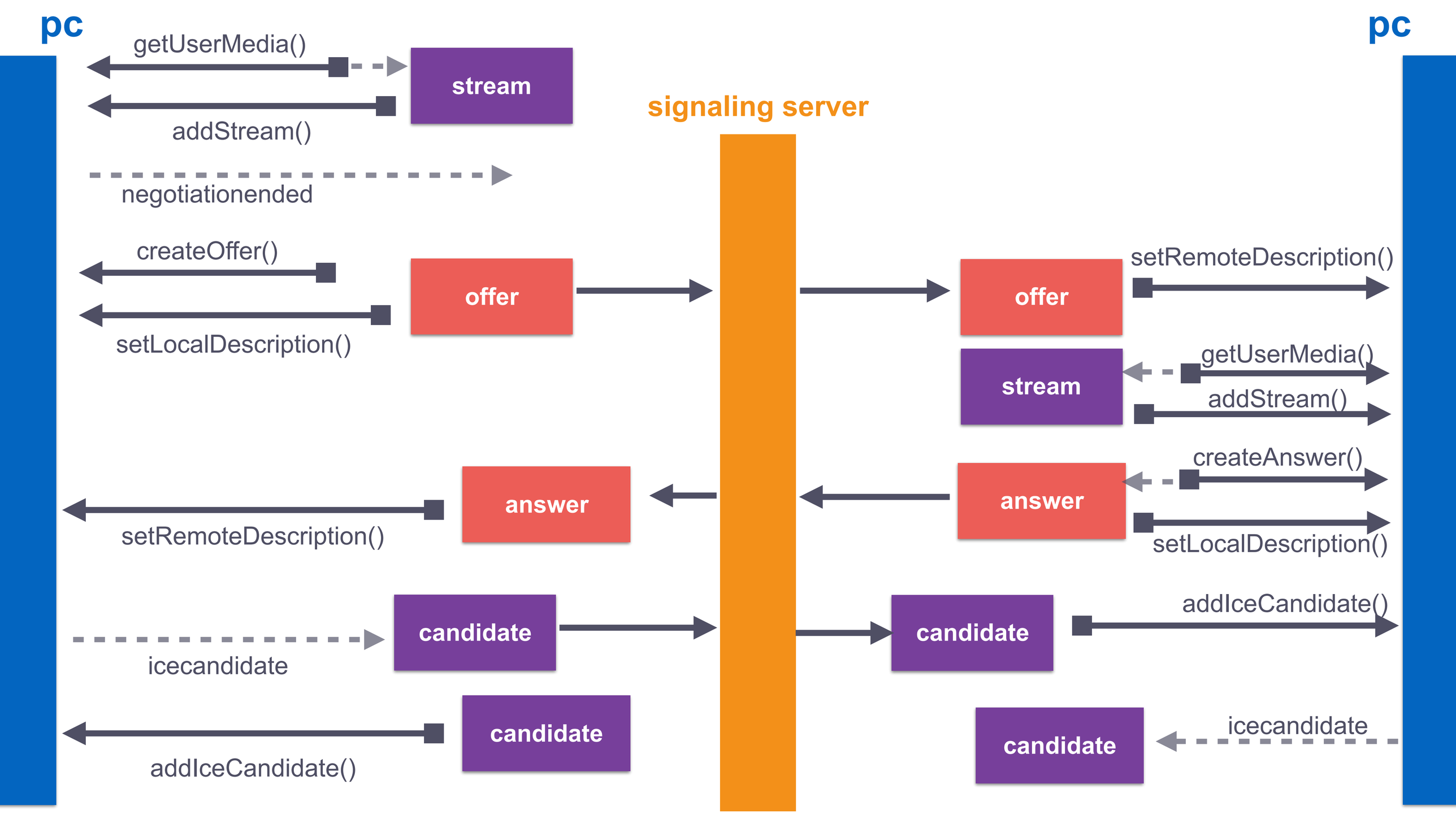
Topology

client to client

Signaling

session description protocol




pc
pc
signaling server
getUserMedia()
stream
addStream()
negotiationended
createOffer()
offer
setLocalDescription()
setRemoteDescription()
offer
getUserMedia()
stream
addStream()
createAnswer()
answer
setLocalDescription()
setRemoteDescription()
answer
candidate
icecandidate
candidate
addIceCandidate()
candidate
addIceCandidate()
candidate
icecandidate

Share emotional stories

RTCChannelData

Data Channel

let’s chat a little bit

The RTCDataChannel API enables peer-to-peer exchange of arbitrary data, with low latency and high throughput.

http://peercdn.com/
https://webtorrent.io/
http://www.peer-server.com/

SELFIE AND QA