CONNECT-UDP is great, but...

It only allows using a single 5-tuple
Example use-case: WebRTC
Example use-case: WebRTC

Alice

STUN Server

Bob

VERY INTERESTING VOICE CALL
Example use-case: WebRTC with a Proxy
Example use-case: WebRTC with a Proxy

Alice

Proxy

STUN Server

Bob

VERY INTERESTING VOICE CALL

VERY INTERESTING VOICE CALL

VERY INTERESTING VOICE CALL
We could use CONNECT-IP for this

WebRTC is implemented by Web browsers

Web browsers don't have an IP stack

Every datagram carries an IP header

A lot of complexity when all you need is UDP
CONNECT-UDP is great!

Now with $\infty$ more 5-tuples!
How does it work?

HEADERS
:method = CONNECT
:protocol = connect-udp
:scheme = https
:path = /masque/udp/*/ */
:authority = proxy.org
capsule-protocol = ?1
connect-udp-listen = 42

Context ID registered by header – payload then contains IP & port
Next Steps

We're interested in this for Chrome's Privacy Proxy efforts

Is the WG interested?
MASQUE CONNECT-UDP Listener
draft-schinazi-connect-udp-listen
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