

SCONE with MASQUE



Marcus Ihlar
IETF 121 Dublin

`draft-ihlar-scone-masque-mediabitrte`

Motivation

MASQUE and HTTP proxying is likely too complex to be the main solution for throughput advice signalling.

(Please see TRAIN and SCONE presentations for better options)

However...

A client that is **already configured to use a Masque proxy** might benefit from throughput advice associated with a CONNECT request.

A proxy might have network awareness or it might apply throttling to proxied flows. In both cases.

Proposal

- Works with connect-udp and connect-ip and other protocols using CONNECT method and Capsule Protocol.
- MASQUE peers exchange HTTP headers that indicate support for throughput advice.
- MASQUE server sends throughput advice using Capsule Protocol (RFC 9297).

Wireformat

HTTP Request and response header:

boolean-valued Item Structured Field: "Throughput-Advice: ?1"

Capsule:

```
THROUGHPUT_ADVICE Capsule {  
  Type (i) = 0xTBD,  
  Length (i)  
  Bitrate (i)  
  [Average Window (i)]  
}
```

← This could be aligned
with main SCONE
proposal.

Questions?

