

# QUIC-Aware Proxying

draft-ietf-masque-quic-proxy-03

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### Status

Version -02 (design team output)

Packet transforms (scramble) for forwarded mode

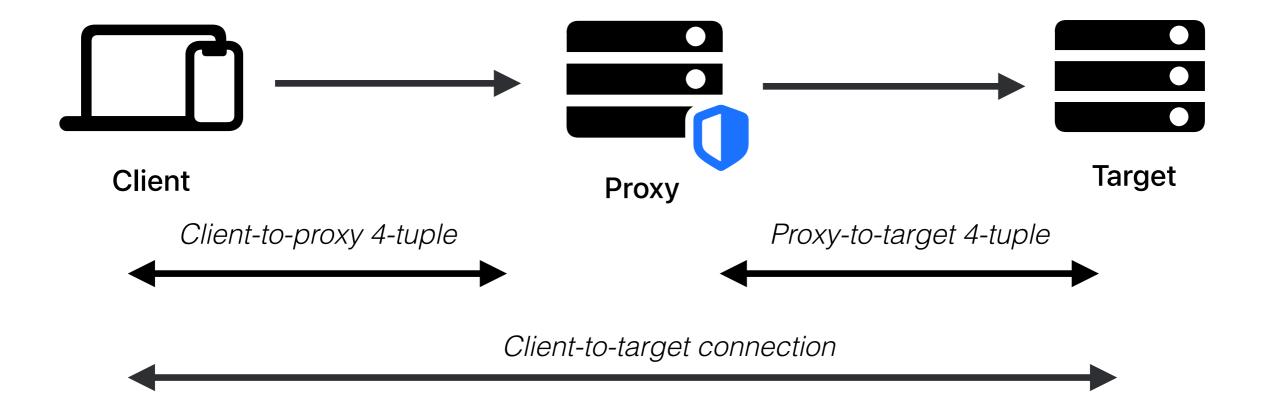
Security considerations

Version -03

Loop prevention via new ACK\_VCID capsule

Major editorial pass

### Protocol terminology



### Preferred address migration

Issue #113 and Issue #86

How should target preferred addresses be handled?

The client learns the preferred address, not the proxy; but the proxy has the connection to the target

Applies to tunneled and forwarded modes equally

#### Possible options

- Client opens a new CONNECT-UDP request with the target address
- 2. Client sends a new capsule to the proxy to inform it of the preferred target address
- 3. Something else?

## Limiting CID registrations

Issue #109

A client can send many bogus REGISTER\_TARGET\_CID/REGISTER\_CLIENT\_CID capsules.

A proxy has to maintain the forwarding / port demultiplexing rules for each of the registered CIDs it acknowledges.

Should proxies signal some limit? Or should they merely send CLOSE\_CLENT\_CID/CLOSE\_TARGET\_CID when the limit is exceeded?

### Client VCID length

<u>Issue #112</u>

For loop prevention, the proxy now selects the client virtual CID

"To reduce the likelihood of connection ID conflicts, the proxy SHOULD choose a Virtual Client Connection ID that is at least as long as the Client Connection"

Should this be a MUST?

Helps avoid CID conflicts, etc.

### Next steps

Please review latest updates and provide feedback in issues!