MASQUE Interop

IETF 109

MASQUE Interoperability Tests

> These results are used for reporting interop testing only. This is intended for use in tracking the results of IETF hackathon events.

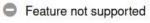[The CONNECT-UDP HTTP Method](#)　　　　　[QUIC-Aware Proxying Using CONNECT-UDP](#)

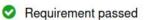|	The CONNECT-UDP HTTP Method	Network.framework	Quiche
Interoperability test results for The CONNECT-UDP HTTP Method			
Client sends `:authority` in CONNECT-UDP requests		✅	✅
Client does not include `:scheme` and `:path` in CONNECT-UDP requests		✅	✅
Server does not include `Transfer-Encoding` or `Content-Length` in CONNECT-UDP responses		✅	✅
Client rejects responses that include `Transfer-Encoding` or `Content-Length` in CONNECT-UDP responses		-	-
Supports HTTP/3 datagrams by sending `H3_DATAGRAM` in `SETTINGS`		⊖	⊖
Proxy echoes `Datagram-Flow-Id` header in successful replies		✅	✅
When HTTP/3 datagrams are not supported, sends datagrams on a stream using a 16-bit length field		⊖	⊖
Server discards UDP packets that do not match any client's request		✅	✅

✅ Requirement passed　　ⓘ SHOULD requirement failed　　❌ MUST requirement failed　　⊕ Feature supported　　⊖ Feature not supported　　- Not tested

https://tfpauly.github.io/quic-proxy/interop/

QUIC-Aware Proxying Using CONNECT-UDP	Network.framework	Quiche
Interoperability test results for QUIC-Aware Proxying Using CONNECT-UDP		
Client sends `Datagram-Flow-Id` in all `CONNECT-UDP` requests	✅	-
Client sends `:authority` in `CONNECT-UDP` requests	✅	✅
Client sends the same `Datagram-Flow-Id` in all requests for the same connection	✅	-
Client sends exactly one `*-Connection-Id` in each request	✅	-
Client sends `Client-Connection-Id` in first `CONNECT-UDP` request	✅	-
Client sends DATAGRAM frames in the same flight as the `CONNECT-UDP` request	➕	-
Client does not reuse a `Datagram-Flow-Id` that has been rejected	-	-
Client does not reuse a `Client-Connection-Id` that has been rejected	-	-
Client sends a new request prior to sending `NEW_CONNECTION_ID` frames	-	-
Client supports forwarded mode	➕	-
Client only uses forwarded mode with short header packets	✅	-
Client does not use forwarded mode prior to receiving a `2xx (OK)`	✅	-
Client does not use forwarded mode if the server sends a `409 (Conflict)`	❌	-
Client stops sending requests for forwarded mode if the server sends an error other than `409 (Conflict)`	-	-
Client supports receiving forwarded packets from proxy	✅	-
Proxy rejects requests without correct headers with `400 (Bad Request)`	✅	-
Proxy supports forwarded mode	➕	-
Proxy echoes `Datagram-Flow-Id` and `*-Connection-Id` headers in successful replies	✅	-
Proxy uses forwarded packets to restart its idle timeout	ℹ️	-
Proxy closes HTTP stream when it rejects a `CONNECT-UDP` request	✅	-

✅ Requirement passed ℹ️ SHOULD requirement failed ❌ MUST requirement failed ➕ Feature supported ⊖ Feature not supported - Not tested

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