

The MASQUE Architecture

[draft-schinazi-masque-proxy](#)

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History of MASQUE, part 1

Started off as its own protocol that did *everything*

Formed a WG

Split into incremental changes to HTTP

Enthusiasm Intensifies

Published a bunch of RFCs that don't have MASQUE in the name

IETF104
SECDISPATCH

MASQUE

Multiplexed Application Substrate over QUIC Encryption

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I E T F

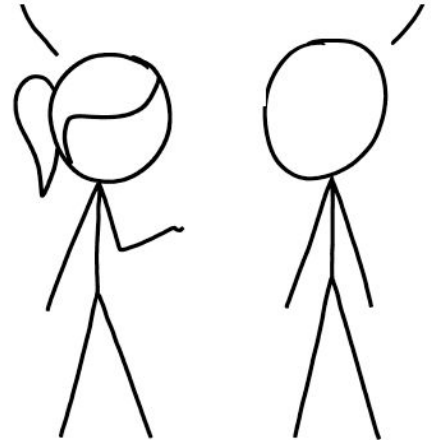
Fast Forward a Few Years: A Common Conversation

Application Enthusiast – I need to query a bunch of information anonymously

Privacy Enthusiast – Use MASQUE

Application Enthusiast searches online, finds draft-schinazi-masque from 2019

Application Enthusiast – Huh?



This draft

Answers the question: What does *use MASQUE* mean?

Privacy Enthusiasts can now send a link



Referenced by RFC 9750 (MLS Architecture)

Recommendation: In the case where privacy or anonymity is important, using adequate protection such as Multiplexed Application Substrate over QUIC Encryption (MASQUE) [MASQUE-PROXY], Tor [Tor], or a VPN can improve metadata protection.



What's New?

~~Proxy~~

Architecture



What's in the draft?



A bit of history

Architectural principles (HTTP substrate, capabilities, privacy)

Privacy properties (from websites, networks, partitioning, obfuscation)

Related technologies (OHTTP, DoH)

Next Steps

Adoption would require a recharter

We're planning on rechartering anyway

Proposed new charter includes architecture

Does the WG prefer this direction?

