

The MoQ Journey

Where we've been and
the trail ahead



Where we've been - moqt

moqt-00 was published in July '23

That was only 1 year ago!

Improvements since then

Subscribe parameters (v1)

Object model to transport mapping

Subscribe parameters (v2)

Object status

Priorities ← *This was big*

Mechanical and editorial improvements

Where we've been - higher levels

Consensus on layering

transport, catalog, container, streaming format

Adoption of catalog

Active I-Ds for LoC and WARP

Where we are - moqt

Feedback from implementation and interop testing

Filing lots of issues - 93 open

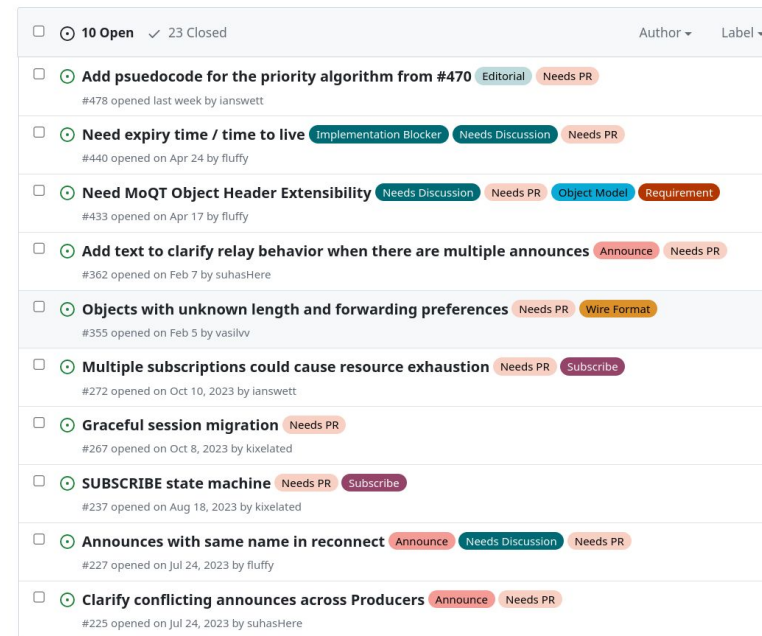
In the last 90 days

25 new unresolved issues

23 issues closed

Many have made enough progress to have a PR - who is willing to help write?

Editor will assign PR authors and we will review in weekly interims



The screenshot shows a list of 10 GitHub issues for the 'moqt' project. The top of the list shows '10 Open' and '23 Closed'. Each issue entry includes a title, a status label (e.g., 'Needs PR', 'Needs Discussion'), and a brief description of the issue. The issues are as follows:

- #478: Add pseudocode for the priority algorithm from #470 (Editorial, Needs PR)
- #440: Need expiry time / time to live (Implementation Blocker, Needs Discussion, Needs PR)
- #433: Need MoQT Object Header Extensibility (Needs Discussion, Needs PR, Object Model, Requirement)
- #362: Add text to clarify relay behavior when there are multiple announces (Announce, Needs PR)
- #355: Objects with unknown length and forwarding preferences (Needs PR, Wire Format)
- #272: Multiple subscriptions could cause resource exhaustion (Needs PR, Subscribe)
- #267: Graceful session migration (Needs PR)
- #237: SUBSCRIBE state machine (Needs PR, Subscribe)
- #227: Announces with same name in reconnect (Announce, Needs Discussion, Needs PR)
- #225: Clarify conflicting announces across Producers (Announce, Needs PR)

Where we are going - moqt

Refining the partial reliability model

- Cache duration, delivery timeouts (getting close, PRs are up)
- Semantics of stream resets

FETCH lives and other subscription issues

- Subscribe Done
- Deduplication (track alias vs subscribe ID)

Other topics

- Publisher Issues (make before break, multi-publisher discovery)
- Security/DDoS
- Authentication

Where we're going - higher levels

catalog

Next step is probably some basic interop? When would be a good time?

LoC

Adoption soon?

WARP - putting it all together

This still feels a bit further away