GitHub for Working Groups

WG Chairs Lunch, IETF 102 Martin Thomson

Menu

Why?

Managing Discussion

Established Practices

Why

Source control

Issue management

Transparency

Large community

Source Control

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Source Control

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🖹 .gitignore	Remove cruft		2 years ago			
🖹 .travis.yml	Update distribution		2 years ago			
	Update CONTRIBUTING.md		2 years ago			
Makefile	Fix makefile		a year ago			
README.md		Fix markdown				

Issue and Change Management

Issue tracking

Change management (pull requests)

Reviewing tools

Both integrated with revision control

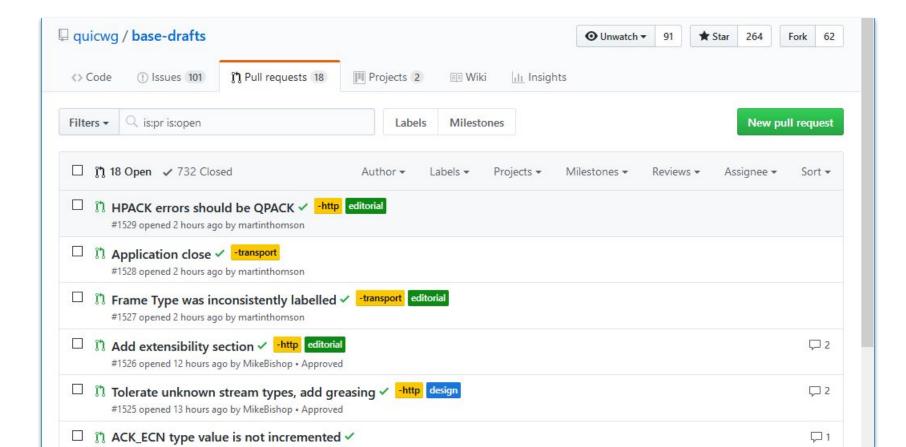
Issues

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	Initial size of dynamic table -qpack design #1530 opened 2 hours ago by martinthomson	gn -					
	QPACK could use some examples -qpac #1454 opened 20 days ago by afrind	<mark>k</mark> editorial					Ç 2
	encoder stream can deadlock -qpack d #1420 opened on Jun 7 by martinthomson	esign					Ç 3
	Static table negotiation -qpack design a #1343 opened on May 10 by MikeBishop	uicv2					₽7
	Referencing strategy -qpack editorial #1129 opened on Feb 21 by martinthomson						P 9

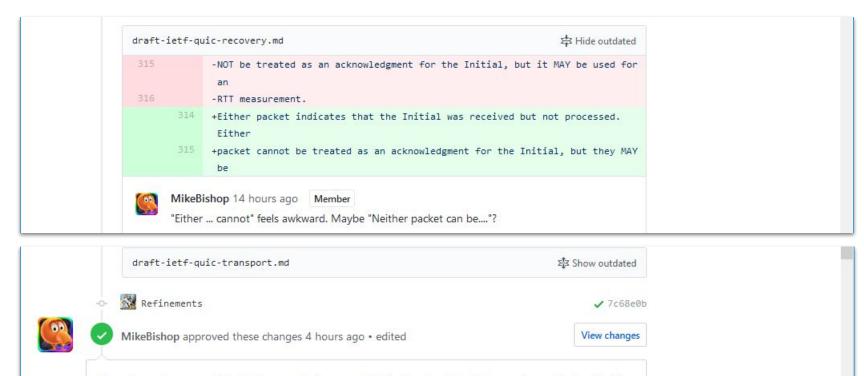
Threaded Discussion

opened this issue on Oct 31, 2017 · 64 comments commented on Oct 31, 2017 • edited ~	Member + 🙂 💉 👎 Assignees	
commented on Oct 31, 2017 • edited •	Member + 🙂 💉 👎 Assignees	
	MikeBishop	6
P header compression mechanism is still TBC but as I understan tatic table. This was formed from the "most frequent header fiel		
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JIC, in order to keep the session active.	design	
efit to keeping the static table would be to allow implementatio		
tation of the table, however I don't know how realistic that wou	la be. Projects	1
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commented on Oct 31, 2017	Milestone	
tation of the table, nowever r don't know now realistic that woo	Member +	

Pull Requests (PRs)



Code^WChange Review



Regardless of urgency, I think this covers both cases a little better. It might still be worth mentioning that the previous flight of 0-RTT packets could still be consumed by the server, so the client needs to consider that data as having been sent (and therefore can't change it).

Transparency

Progress on issues and text is open

History of changes is maintained

Editors can get rapid feedback on changes

Large Community

Tools that are well understand

Makes contributions more accessible

Improved feedback cycle

4 69 contributors

🎎 41 contributors

Managing Discussion

Discussion has a tendency to fracture... badly

Chairs need to decide how they want to manage this

All Discussion on <wg>@ietf.org

This is the "safest" policy

Limit to editorial comments on issues and PRs

Needs constant reminders to steer discussion

Used effectively for several groups

Discussion on GitHub

More natural

Note well implications

Always take big items to the list

Take care to avoid substantive discussion on PRs

... these turn into a giant mess

Discussion Policy

Be very clear with the working group

Send email explaining expectations

Monitor discussion and steer it as needed

Use CONTRIBUTING.md

Sample Contribution Policy

It looks like this is your first time opening an issue in this project!

×

m

Be sure to review the contributing guidelines.

Raw

133 lines (82 sloc) 7.64 KB Blame History Contributing to QUIC Anyone can contribute to QUIC; you don't have to join the Working Group, because there is no "membership" -- anyone who participates in the work, as outlined below, is part of the QUIC Working Group. Before doing so, it's a good idea to familiarize yourself with our current issues list and charter. If you're new to this, you may also want to read the Tao of the IETF. Be aware that all contributions fall under the "NOTE WELL" terms outlined below. Following Discussion Raising Issues Resolving Issues Pull Requests Code of Conduct NOTE WELL

Following Discussion

Established Practices

Organizations

Ownership

Repository Management

Issues

Continuous Integration

Working Group == Organization

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Updated 7 hours ago		
		People 7 >
architecture		
Captive Portal Architecture	h	
🔴 HTML 🔺 3 🦞 1 Updated 2 days ago		

Ownership and Permissions

Chairs (or responsible AD) own the organization

Chairs (and responsible AD) have admin privileges

Each separate work item has a repository

Editors are added to teams

Teams are given commit access to their repository

Repositories

Editors are responsible for maintaining the repository

Chairs should not commit changes, merge PRs, etc...

One draft per repository is easier to manage

...unless drafts are closely related (use judgment)

Use Markdown

It is easier to use

...especially for IETF newcomers

You get more and better contributions

Both variants are good: <u>kramdown-rfc2629</u> and <u>mmark</u>





Issue Management

Labels can be very useful

A design or editorial distinction can help

For multiple docs, labels can help with sorting

Issues can be assigned; review can be requested for PRs

Milestones and the project board might help

Continuous Integration

<> Code	() Issues 0	(*) Pull requests 0	Projects 0	💷 Wiki	di Insights			
raft about co	onsolidation o	of Internet services a	nd the impacts it	may have o	n architectures etc.			
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Continuous Integration

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7	<pre><?xml-stylesheet type='text/xsl' href='rfc2629.xslt' ?</pre></pre>	>
8	rfc strict="yes" ?	
9	rfc toc="yes"?	
10	rfc tocdepth="4"?	but reading
11	rfc symrefs="yes"?	
12	<pre><?rfc sortrefs="yes" ?></pre>	
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22	surname="Arkko">	
23	<pre><organization>Ericsson</organization></pre>	

Continuous Integration

CI systems are designed to check your code

Tools exist to both check that the draft is valid

... and maintain a readable copy of the latest

Example README.md

E README.md

QUIC Protocol

This is the working area for the IETF QUIC Working Group documents for the QUIC protocol suite.

Core Transport Protocol

- Editor's copy
- Working Group Draft
- Compare Working Group Draft and Editor's copy

Loss Detection & Congestion Control

- Editor's copy
- Working Group Draft
- Compare Working Group Draft and Editor's copy

TIC Manning

The Latest Copy

QUIC Internet-Draft Intended status: Standards Track Expires: January 7, 2019

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Version-Independent Properties of QUIC

draft-ietf-quic-invariants-latest

Abstract

This document defines the properties of the QUIC transport protocol that are expected to remain unchanged over time as new versions of the protocol are developed.

🛈 🔒 https://quicwg.org/base-drafts/draft-ietf-quic-invariants.html

Note to Readers

Discussion of this draft takes place on the QUIC working group mailing list

M. Thomson Mozilla July 06, 2018

Table of Contents

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Introduction
 Conventions and Definitions
 An Extremely Abstract Description of QUIC
 QUIC Packet Headers

 4.1. Long Header

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- 4.2. Short Header 4.3. Connection ID
- 4.4. Version
- 5. Version Negotiation
- 6. Security and Privacy Considerations
- 7. IANA Considerations
- 8. References
- 8.1. Normative References
- 8.2. Informative References Appendix A. Incorrect Assumptions Author's Address

Previews of Branches

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draft-ietf-quic-invariants	<u>html</u>	plain text	diff with last sub	mission					
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draft-ietf-quic-recovery	html	plain text	diff with last sub	mission					
draft-ietf-quic-spin-exp	<u>html</u>	plain text	diff with last sub	mission					
draft-ietf-quic-tls	<u>html</u>	plain text	diff with last sub	mission					
draft-ietf-quic-transport	html	plain text	diff with last sub	mission					
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draft-ietf-quic-invariants	html	plain text	diff with master	diff with last submission					
draft-ietf-quic-qpack	html	plain text	diff with master	diff with last submission					
draft-ietf-quic-recovery	<u>html</u>	plain text	diff with master	diff with last submission					
draft-ietf-quic-spin-exp	html	plain text	diff with master	diff with last submission					
draft-ietf-quic-tls	<u>html</u>	plain text	diff with master	diff with last submission					

draft-ietf-quic-transport html plain text diff with master diff with last submission

Toolchain

https://github.com/martinthomson/i-d-template

Build changes

Cl integration for validating changes and previews

Automated submission to datatracker

Also produces diffs and manages back for issue status

Contributing

Time permitting, we will "fix" an issue in a draft

More Information

https://unicorn-wg.github.io/github-bcp/

Or discuss: wgchairs@ietf.org