

# ATS Spring 2020 Summit

# PRs, changes and ownership

*“Am I the only one around here that gives a shit about the rules!?”*

# Good PR

- Short first line in commit msg
- Longer description following the first line (use empty lines in commit msg)
- 2 or more reviewers assigned
  - Not just same team!
- Properly assigned
- Labels to identify the bug
- Milestone set (10.0.0 unless branch)
- Project(s) added
  - Please justify why!

Improve client\_vc tracking #6889

shinrich wants to merge 1 commit into apache:master from shinrich:track-client-vc

Conversation 9 Commits 1 Checks 0 Files changed 8 +44 -38

shinrich commented 4 days ago

A replacement for PR #6732 plus some additional fixes suggested by @masaori335.

The issue we have been tracking down for the last few months on ATS9 is dealing with "stale" client\_vc pointers. The first approach taken in PR #6469 was to just look for still set client\_vc's after the client session do\_io\_close and then close it. However that approach would sometimes touch a client\_vc object that had already been freed. With ASAN builds @bneradt found a number of use-after-free cases.

Then we took this approach of making sure that while a HttpSM or client session is still alive and referencing the client\_vc, the read and write vio's should reference either the HttpSM, session or some other layer 7 object. The theory being that we were getting stale client\_vc references because net events like error, eos, timeout would occur while the write/read vio was pointing to a null continuation. We have been running this logic in our ATS9 deployments since late April and our number of crashes has been minimal and due to other issues.

@masaori335 pointed out that we should be able to close the netvc object at the point where the session do\_io\_close occurs. Making that change and running double\*/openclose\* with 100's of transactions shows that this is safe.

Also extended the h2spec timeout from the default 2 seconds. Given the timing vagaries of the CI environment, giving more timeout slack seemed better. With all the debugging on, I was seeing intermittent failures in a variety of cases.

shinrich added HTTP/2 HTTP Crash HttpSM labels 4 days ago

shinrich added this to the 10.0.0 milestone 4 days ago

shinrich requested review from maskit, masaori335 and a-canary 4 days ago

shinrich self-assigned this 4 days ago

Reviewers: maskit, masaori335, a-canary

Assignees: shinrich

Labels: Crash, HTTP, HTTP/2, HttpSM

Projects: 9.0.x Branch and Release (Awaiting triage)

Milestone: 10.0.0

Linked issues: Successfully merging this pull request may close these issues.

# Non committer PRs

- Non-committers can not update most of the fields on Github
  - Help them!
- Same 4 rules applies, except some responsibilities are also move to the reviewer(s) of a PR.
- Please review non-committers PRs in a timely manner, it's how we're going to grow our community.

# Managing PRs

- Don't be afraid to ask for reviews!
  - Herd your cats, ping people on slack, remind them on the PRs etc.
- Track down the original PR on a bug fix PR and put the PR number in the first description of the **original** PR
- If you want a PR tested on Docs, mark it with Label OnDocs, and ping Leif (or anyone else building on Docs / CI server)
- When closing a PR, remove the OnDocs label
- When closing a PR without merging, remove Milestones and Projects
- When reverting a PR, mark both the original PR, and the revert PR, with the "Reverted" Milestone

# PR Ownership

## *The Four Commandments*

- **You**, as the poster, are responsible for making sure your PRs gets reviewed by the right people, as well as merged, in a timely manner.
- **You**, as the poster, are responsible for marking your PRs with the appropriate backport Project tags, with reasonable justifications / explanations why.
- **You**, as the poster, are responsible for watching the CI pages for failures in builds, Clang analyzer, and autest related to your PRs.
- **You**, as the poster, are responsible to monitoring for bugs related to the PRs you have made, and prioritize your work for fixing this.



**I have spoken.**

# ATS 9.0.0

- Status
- Companies testing 9.0.0
  - Verizon Media, Apple, LinkedIn
- Release date?
  - All Hands On Deck!



