


Crash due to Invalid WebSocket frame.

 Issue created 2 weeks ago by [Nila](#)

What happened?

Since the security patch upgrade Sharkey has been crashing multiple times daily. There is a clear crash log indicating why.

What did you expect to happen?

Ideally Sharkey would not be crashing

Version

2025.4.6

Instance

derg.social

What type of issue is this?

server-side

How do you deploy Sharkey on your server? (Server-side issues only)

Docker Container published here, deployed on K8s with a simple Deployment / single pod.

What operating system are you using? (Server-side issues only)

Rocky Linux 9

Relevant log output

```
ERR * [core] Uncaught exception (uncaughtException): RangeError: Invalid WebSocket frame: RSV2 and RSV3 must be c
at Receiver.getInfo (/sharkey/node_modules/.pnpm/ws@8.18.1_bufferutil@4.0.9_utf-8-validate@6.0.5/node_modules/ws/1
at Receiver.startLoop (/sharkey/node_modules/.pnpm/ws@8.18.1_bufferutil@4.0.9_utf-8-validate@6.0.5/node_modules/ws
```

✓ 2 of 2 checklist items completed

Status

To do

Assignees

 [Hazelnoot](#)

Labels

bug backend

Parent

None

Weight

None

Milestone

None

Iteration

None

Dates

Start: None

Due: None

Health status

None

Time tracking

No estimate or time spent

6 Participants

[Fix regressions introduced by recent work \(resolves #1220, #1093, #1227, #1228, #1198, #1278, and #1279\)](#) !1256

Activity

- [Nila](#) set status to **To do** 2 weeks ago

**Nila** 2 weeks ago

Author

I had this crash 5 times in the span of a few minutes now. To at least get some uptime I have now blocked websocket connections on my instance. No crashes since then.

**dakkar** 2 weeks ago

Developer

I strongly suspect that the change to 2025.4.6 just happened to coincide with the start of the problems... we have not touched any code at such a low level (the errors come from inside the `ws` library, not our own code)

we have added some more "error catching" on the `deveLop` branch, which we hope to release soon-ish (don't hold your breath, don't switch your instance to running off `deveLop` unless you really know what it entails)

[@fEmber](#) please correct me if I'm wrong

**Hazelnoot** 2 weeks ago

Maintainer

Yes, that's correct. The `ws` library has unpatched vulnerabilities that can be exploited to produce a DoS attack against an instance, which is likely what you're experiencing. The `deveLop` branch has custom mitigations for that issue, but the release has been delayed for a while.

Please [register](#) or [sign in](#) to reply

**Nila** 2 weeks ago

Author

Makes sense to me. It definitely wasn't right after the update but rather started around a week ago.

I'll wait for you to release these changes then. Until then I'll just keep blocking websocket connections. (Or alternatively tell node to swallow the uncaught exception but that's a bit too sketchy IMO)

**Nila** 2 weeks ago

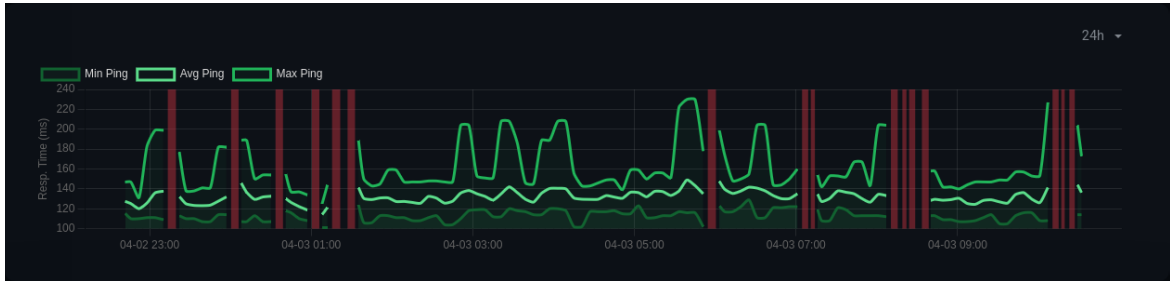
Author

Just a FYI: This was the Applebot crawler trying to connect to the streaming endpoint of Sharkey. I blocked them now.

- [Hazelnoot](#) added `bug` `backend` label 1 week ago
- [Hazelnoot](#) assigned to [@fEmber](#) 1 week ago
- [Hazelnoot](#) mentioned in merge request [!1256](#) 1 week ago

**Louis Vallat** 5 days ago

I'm getting the same errors, causing the Docker container to crash dozens of time per day. It's my single-user instance though so the impact is limited to me



Edited 4 days ago by [Louis Vallat](#)



James Moy 5 days ago

Contributor

Experiencing the same issues and one our users are complaining about the instablity caused by this. Is there any temporary mitigations we can apply on the server side to limit access to websockets?



Nila 5 days ago

Author

I posted about my workaround here: <https://derg.social/notes/ak8h67xome>

I blocked any client that had a user agent containing „Applebot“ from accessing the websocket.



James Moy 5 days ago

Contributor

That did the trick, the server is not crashing for an hour after applying the block in Nginx.

Please [register](#) or [sign in](#) to reply

James Moy mentioned in issue [#1282 \(closed\)](#) 5 days ago



Dalek 4 days ago

Contributor

My instance has been getting hit with this as well. Just adding comment for visibility, I see this is already tracked and discussed 🙏