

Main page Recent changes

Server admin log (Prod) Server admin log (RelEng)

Deployments

SRE/Operations Help Incident status

Cloud VPS & Toolforge

Cloud VPS documentation

Toolforge documentation

Request Cloud VPS project

Server admin log (Cloud VPS)

Tools

What links here Related changes Special pages Permanent link Page information

Print/export

Cite this page

Create a book Download as PDF Printable version

Discussion

View source

View history

Search Wikitech

Q

Toolforge webservices are in the final stages of migrating to the toolforge.org domain. Please help us clean up older documentation referring to tools.wmflabs.org!

Incident documentation/20190208-logstashmediawiki

< Incident documentation

Contents [hide]

- 1 Summary
- 2 Timeline
- 3 Conclusions
- 4 Links to relevant documentation
- 5 Actionables

Summary

A single database host down caused an exceptional influx of log entries from MediaWiki, which in turn caused overload in logstash ingestion.

Timeline

- 12:18 db1114 DOWN alert fires, see also bug T214720
- 12:30 DBAs are engaged
- 12:42 UDP packet loss alerts fire for logstash
- 12:44 db1114 is depooled
- 13:09 UDP packet loss for logstash recovers

Conclusions

MediaWiki alone was able to cause a logstash overload, resulting in UDP packet loss. Applications using UDP as log transport have experienced loss of logs, while applications using the new logging pipeline (i.e. writing to Kafka, MediaWiki included) experienced a slowdown in log processing while logstash instances were catching up on the backlog.

Note that the length of this incident was a contributing factor in the UDP loss, a shorter reoccurrence (20min) happened on Feb 11th due to repool of db1118 but resulted in no UDP loss on the logstash side as instances were able to catch up. A deeper understanding of logstash performance characteristics is needed as well.

Links to relevant documentation

• DB depooling: https://wikitech.wikimedia.org/wiki/MariaDB/troubleshooting

Actionables

- A MediaWiki dependency being down (single database host in this case) should not cause log spam/overload bug T215611
- The logging pipeline will need some additional spam / ratelimit protection bug T215900
- Better understanding of Logstash performance bug T215904



Category: Incident documentation

This page was last edited on 12 February 2019, at 14:29.

Text is available under the Creative Commons Attribution-ShareAlike License; additional terms may apply. SeeTerms of Use for details.

Privacy policy About

Disclaimers Code of Conduct Developers Statistics Cookie statement Mobile view

Wikitech



